L11 is bond.
only art 4/4.

10/530,767 Yong Chu 10-13-2007

$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 24	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:37:38 ON 13 OCT 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:37:55 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8
DICTIONARY FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

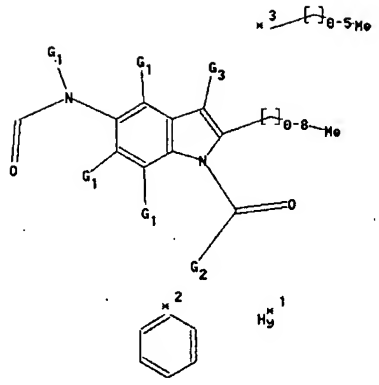
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

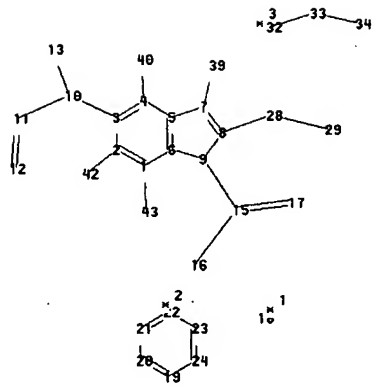
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10530767\10530767.str





chain nodes :
10 11 12 13 15 16 17 18 28 29 32 33 34 39 40 42 43
ring nodes :
1 2 3 4 5 6 7 8 9 19 20 21 22 23 24
chain bonds :
1-43 2-42 3-10 4-40 7-39 8-28 9-15 10-11 10-13 11-12 15-16 15-17 28-29
32-33 33-34
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 19-20 19-24 20-21 21-22 22-23
23-24
exact/norm bonds :
1-43 2-42 3-10 4-40 5-7 6-9 7-8 7-39 8-9 9-15 10-11 10-13 11-12 15-16
15-17
exact bonds :
8-28 28-29 32-33 33-34
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 20-21 21-22 22-23 23-24

G1:H,CH3,Et

G2:[*1],[*2]

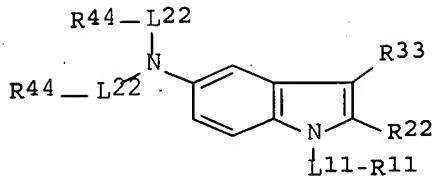
G3:H,CH3,[*3]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom
23:Atom 24:Atom 28:CLASS 29:CLASS 32:CLASS 33:CLASS 34:CLASS 39:CLASS
40:CLASS 42:CLASS
43:CLASS
Generic attributes :
18:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7

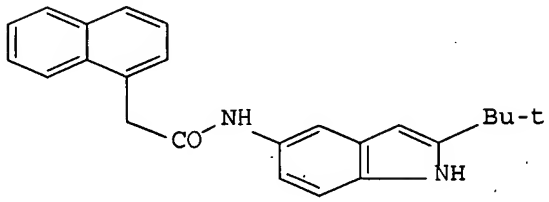
```
L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 14:38:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       77 TO ITERATE

100.0% PROCESSED       77 ITERATIONS                                5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          1014 TO     2066
PROJECTED ANSWERS:                5 TO      234

L2             5 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 14:38:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1599 TO ITERATE

100.0% PROCESSED     1599 ITERATIONS                               78 ANSWERS
SEARCH TIME: 00.00.01

L3            78 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               172.10     172.31

FILE 'CAPLUS' ENTERED AT 14:38:32 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 13 Oct 2007  VOL 147 ISS 17
FILE LAST UPDATED: 12 Oct 2007  (20071012/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:
```

http://www.cas.org/infopolicy.html

```
=> s l3
L4            1 L3

=> d ibib abs tot

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:354934  CAPLUS  Full-text
DOCUMENT NUMBER:          140:357207
TITLE:                    Preparation of substituted indoles and their use as
                          HCV inhibitors
INVENTOR(S):              Singh, Rajinder; Darwish, Ihab S.; Kolluri, Rao S. S.;
                          Thota, Sambaiah; Lu, Henry H.
PATENT ASSIGNEE(S):       Rigel Pharmaceuticals, Inc., USA
SOURCE:                   PCT Int. Appl., 83 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
     WO 2004035571         A1    20040429    WO 2003-US32947          20031015
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2501547            A1    20040429    CA 2003-2501547          20031015
     AU 2003287160         A1    20040504    AU 2003-287160           20031015
     EP 1554271            A1    20050720    EP 2003-781338           20031015
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2006505571         T     20060216    JP 2004-545437           20031015
     US 2005215614         A1    20050929    US 2005-530767           20050407
PRIORITY APPLN. INFO.:                       US 2002-419012P      P   20021015
                                             WO 2003-US32947      W   20031015

OTHER SOURCE(S):          MARPAT 140:357207
GI
```



I



II

AB The present invention comprises indole derivs. (shown as I; variables defined below; e.g. II) that are inhibitors of HCV. Compn. comprising the compds. in combination with a pharmaceutically acceptable carrier are also disclosed, as are methods of using the compds. and compns. to inhibit HCV infection of a cell, particular as treating HCV infection in a mammal. For I: L11 is carboxy, or a covalent bond when R11 is H; R11 is H except when L11 is carboxy, Ph substituted with 1-3 R50, or C4-6-heteroaryl contg. 1-3 heteroatoms = N, S, and O and substituted with 1-3 R50; R22 is H, or C1-6 alkyl, such as CH3, tert-Bu, or neopentyl; R33 is H, CH3 or C1-3 alkyl; each L22 = C(O), C1-4 alkyl, C1-4 alkylC(O) or a covalent bond. Each R44 = H, (un)substituted C1-6 alkyl, (un)substituted C3-7 cycloalkyl, (un)substituted C3-7 heterocycloalkyl contg. .gtoreq.1 N, O or S, C3-7 cycloalkanone, (un)substituted C3-7 monocyclic or C7-13 bicyclic aryl, (un)substituted C3-6 monocyclic or C5-13 bicyclic heteroaryl contg. .gtoreq.1 N, O, or S, or (un)substituted C3-6 monocyclic or C5-13 bicyclic heterocycle contg. .gtoreq.1 N, O, or S, wherein said optional substitutions are 1-4 R6. Each R50 = H, halo, Cl, F, CF3, C1-C3 perfluoro, C1-C3 perhalo, -OC1-C3 perhalo, NO2, CH3, R7, -OCH3, -OR7, -SR7, -CN, -NHR7, -N(R7)2, -CON(H)R23CON(R7)2, -R23N(H)R7, -R23N(R7)2; each R6 = H, halo, Cl, F, -CF3, -NO2, -R5, -SR50, -OR50, -CN, N(R50)2, -C(O)R50, -R23C(O)R50, -CON(R5)2, C4-C6 cycloalkyl, C3-7 cycloalkanone, C4-6 cycloalkylamine, C3-6 monocyclic or C5-13 bicyclic heteroaryl contg. .gtoreq.1 N, O, or S or a C6-C12 monocyclic or bicyclic heterocycle contg. .gtoreq.1 N, O, or S; R7 is H, halo or C1-6 alkyl; R23 is a bond or C1-C6 alkyl; with provisos. Although the methods of prepn. are not claimed, many example prepns. are included. For example, II was prepd. in 4 steps (65, 87, 92, 55 % yields, resp.) starting with coupling of 2-iodo-4-nitroaniline with 3,3-dimethyl-1-butyne to give 2-(3',3'-Dimethylbut-1-ynyl)-4-nitroaniline; which was cyclized to 2-tert-butyl-5-nitroindole, which was reduced to 5-amino-2-tert- butylindole, which was coupled with naphth-1-ylacetyl chloride. The activity of many I are tabulated.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.24	176.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE -0.78 -0.78

FILE 'REGISTRY' ENTERED AT 14:40:37 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8
DICTIONARY FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

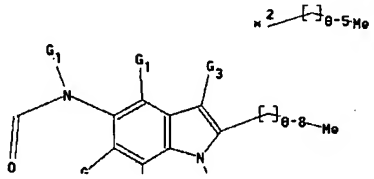
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

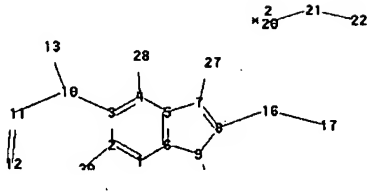
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10530767\10530767A.str





chain nodes :
10 11 12 13 16 17 20 21 22 27 28 30 31 32
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-31 2-30 3-10 4-28 7-27 8-16 9-32 10-11 10-13 11-12 16-17 20-21 21-22

ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-31 2-30 3-10 4-28 5-7 6-9 7-8 7-27 8-9 9-32 10-11 10-13 11-12
exact bonds :
8-16 16-17 20-21 21-22
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:H,CH3,Et

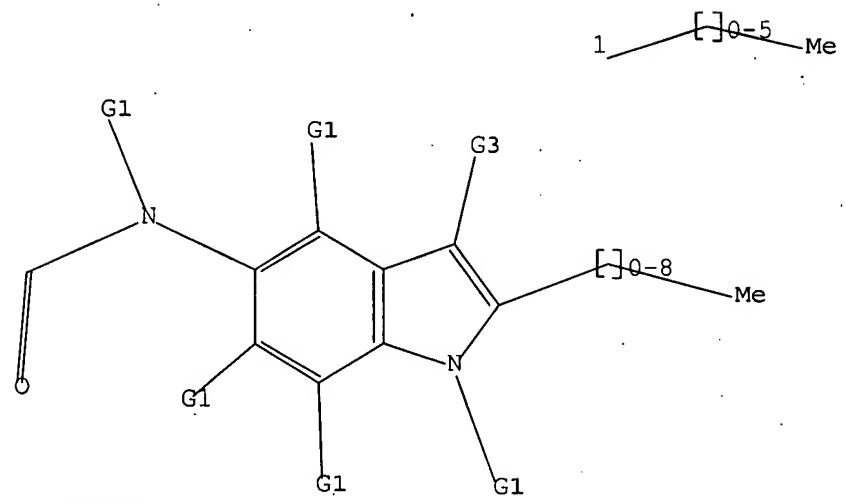
G2

G3:H,CH3,[*1]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 20:CLASS 21:CLASS 22:CLASS
27:CLASS 28:CLASS
30:CLASS 31:CLASS 32:CLASS

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



G1 H,Me,Et
G2
G3 H,Me,[@1]

Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 14:41:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1032 TO ITERATE

100.0% PROCESSED 1032 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 18713 TO 22567

```
PROJECTED ANSWERS:              33 TO      447

L6            12 SEA SSS SAM L5

=> s l5 full
FULL SEARCH INITIATED 14:42:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    20423 TO ITERATE

100.0% PROCESSED    20423 ITERATIONS                          273 ANSWERS
SEARCH TIME: 00.00.01

L7            273 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 173.45     350.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -0.78

FILE 'CAPLUS' ENTERED AT 14:42:56 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 13 Oct 2007  VOL 147 ISS 17
FILE LAST UPDATED: 12 Oct 2007  (20071012/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l7
L8            74 L7

=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   3.29     353.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -0.78

FILE 'REGISTRY' ENTERED AT 14:47:12 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
```

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8
DICTIONARY FILE UPDATES: 12 OCT 2007 HIGHEST RN 950645-26-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

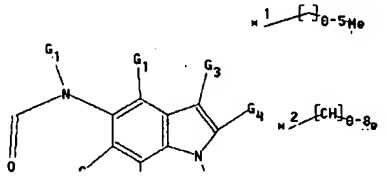
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

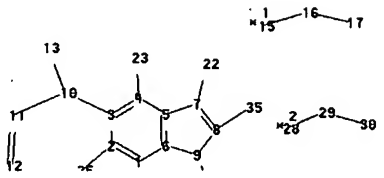
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10530767\10530767B.str



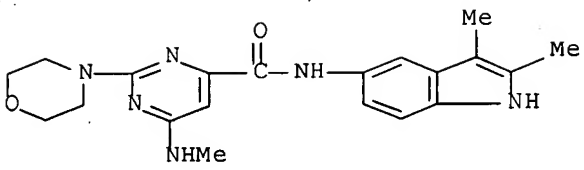


chain nodes :
10 11 12 13 15 16 17 22 23 25 26 27 28 29 30 35
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-26 2-25 3-10 4-23 7-22 8-35 9-27 10-11 10-13 11-12 15-16 16-17 28-29 29-30
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-26 2-25 3-10 4-23 5-7 6-9 7-8 7-22 8-9 8-35 9-27 10-11 10-13 11-12

exact bonds :
15-16 16-17 28-29 29-30
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:H,CH3,Et

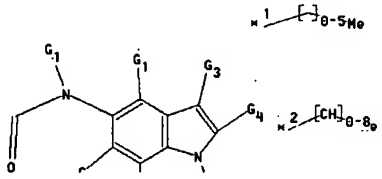
```
G3:H,CH3,[*1]

G4:CH3,Et,[*2]

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
11:CLASS  12:CLASS  13:CLASS  15:CLASS  16:CLASS  17:CLASS  22:CLASS  23:CLASS
25:CLASS  26:CLASS
27:CLASS  28:CLASS  29:CLASS  30:CLASS  35:CLASS



L9      STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l9
SAMPLE SEARCH INITIATED 14:47:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1022 TO ITERATE

100.0% PROCESSED     1022 ITERATIONS                          12 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        18523 TO    22357
PROJECTED ANSWERS:              33 TO      447

L10          12 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 14:47:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    20218 TO ITERATE

100.0% PROCESSED    20218 ITERATIONS                         273 ANSWERS
SEARCH TIME: 00.00.01

L11         273 SEA SSS FUL L9

=> d scan

L11  273 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(methylamino)-2-
     (4-morpholinyl)-
MF   C20 H24 N6 O2
```

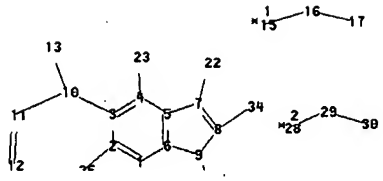


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10530767\10530767c.str





chain nodes :
10 11 12 13 15 16 17 22 23 25 26 27 28 29 30 34
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-26 2-25 3-10 4-23 7-22 8-34 9-27 10-11 10-13 11-12 15-16 16-17 28-29
29-30
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-26 2-25 3-10 4-23 5-7 6-9 7-8 7-22 8-9 8-34 9-27 10-11 10-13 11-12

exact bonds :
15-16 16-17 28-29 29-30
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:H,CH3,Et

G3:H,CH3,[*1]

G4:Et,[*2]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 22:CLASS 23:CLASS

```
25:CLASS  26:CLASS
27:CLASS  28:CLASS  29:CLASS  30:CLASS  34:CLASS



L12     STRUCTURE UPLOADED

=> d
L12 HAS NO ANSWERS
L12             STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l12
SAMPLE SEARCH INITIATED 14:51:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1022 TO ITERATE

100.0% PROCESSED     1022 ITERATIONS                                 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        18523 TO    22357
PROJECTED ANSWERS:               1 TO       80

L13           1 SEA SSS SAM L12

=> s l12 full
FULL SEARCH INITIATED 14:51:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    20218 TO ITERATE

100.0% PROCESSED    20218 ITERATIONS                               47 ANSWERS
SEARCH TIME: 00.00.01

L14          47 SEA SSS FUL L12

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              346.45     699.74

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00      -0.78

FILE 'CAPLUS' ENTERED AT 14:51:24 ON 13 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
```

FILE COVERS 1907 - 13 Oct 2007 VOL 147 ISS 17
FILE LAST UPDATED: 12 Oct 2007 (20071012/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l14
L15 4 L14

=> d ibib abs hitstr tot

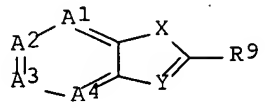
L15 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:906796 CAPLUS Full-text
DOCUMENT NUMBER: 147:235175
TITLE: Preparation of benzimidazoles, benzoxazoles, benzothiazoles, indoles and their analogs for the treatment of muscular dystrophy and cachexia
INVENTOR(S): Wynne, Graham Michael; Wren, Stephen Paul; Johnson, Peter David; Price, Damien; De Moor, Olivier; Nugent, Gary; Tinsley, Jonathan Mark; Storer, Richard; Mulvaney, Andrew; Pye, Richard Joseph; Dorgan, Colin Richard
PATENT ASSIGNEE(S): Vastox PLC, UK
SOURCE: PCT Int. Appl., 170pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007091106	A2	20070816	WO 2007-GB50055	20070209

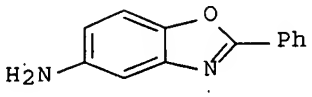
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:	GB 2006-2768	A	20060210
	GB 2006-14690	A	20060724
	GB 2006-19281	A	20060929
	GB 2006-23983	A	20061130

OTHER SOURCE(S): MARPAT 147:235175
GI



I



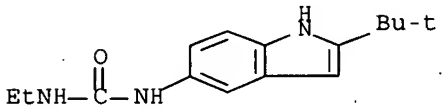
II

AB Title compds. I [wherein A1, A2, A3, A4, Y = N or (un)substituted CH; R9 = (un)substituted aryl, alkyl, heteroaryl, etc.; X = O, S, NH, etc.] or pharmaceutically acceptable salts thereof, which can upregulate endogenous utrophin in predictive screens and therefore may be useful for the treatment of Duchenne muscular dystrophy, Becker muscular dystrophy and cachexia, were prepd. For instance, polyphosphoric acid-mediated cyclization of 2,4-diaminophenol dihydrochloride with benzoic acid gave benzoxazole II. Biol. activities of the invented compds. were assessed. Some I had > 400% activity relative to control using the luciferase reporter assay in murine H2K cells.

IT 397872-94-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of benzimidazoles, benzoxazoles, benzothiazoles, indoles, and their analogs for treatment of muscular dystrophy and cachexia)

RN 397872-94-5 CAPLUS

CN Urea, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-N'-ethyl- (9CI) (CA INDEX NAME)



L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:354934 CAPLUS Full-text

DOCUMENT NUMBER: 140:357207

TITLE: Preparation of substituted indoles and their use as HCV inhibitors

INVENTOR(S): Singh, Rajinder; Darwish, Ihab S.; Kolluri, Rao S. S.; Thota, Sambaiah; Lu, Henry H.

PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 83 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

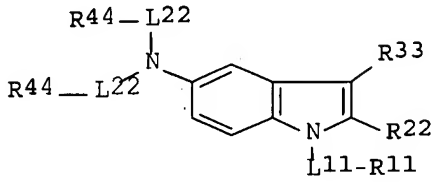
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035571	A1	20040429	WO 2003-US32947	20031015

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

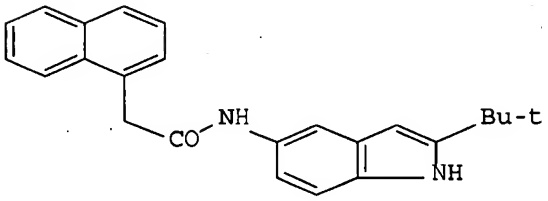
CA 2501547	A1	20040429	CA 2003-2501547	20031015
AU 2003287160	A1	20040504	AU 2003-287160	20031015
EP 1554271	A1	20050720	EP 2003-781338	20031015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006505571	T	20060216	JP 2004-545437	20031015
US 2005215614	A1	20050929	US 2005-530767	20050407
PRIORITY APPLN. INFO.:			US 2002-419012P P	20021015
			WO 2003-US32947 W	20031015

OTHER SOURCE(S): MARPAT 140:357207

GI



I



II

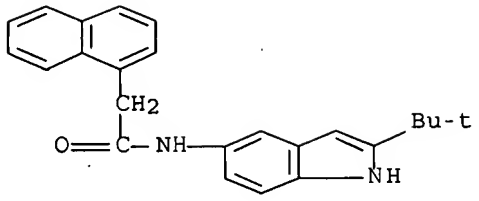
AB The present invention comprises indole derivs. (shown as I; variables defined below; e.g. II) that are inhibitors of HCV. Compn. comprising the compds. in combination with a pharmaceutically acceptable carrier are also disclosed, as are methods of using the compds. and compns. to inhibit HCV infection of a cell, particular as treating HCV infection in a mammal. For I: L11 is carboxy, or a covalent bond when R11 is H; R11 is H except when L11 is carboxy, Ph substituted with 1-3 R50, or C4-6-heteroaryl contg. 1-3 heteroatoms = N, S, and O and substituted with 1-3 R50; R22 is H, or C1-6 alkyl, such as CH3, tert-Bu, or neopentyl; R33 is H, CH3 or C1-3 alkyl; each L22 = C(O), C1-4 alkyl, C1-4 alkylC(O) or a covalent bond. Each R44 = H, (un)substituted C1-6 alkyl, (un)substituted C3-7 cycloalkyl, (un)substituted C3-7 heterocycloalkyl contg. .gtoreq.1 N, O or S, C3-7 cycloalkanone, (un)substituted C3-7 monocyclic or C7-13 bicyclic aryl, (un)substituted C3-6 monocyclic or C5-13 bicyclic heteroaryl contg. .gtoreq.1 N, O, or S, or (un)substituted C3-6 monocyclic or C5-13 bicyclic heterocycle contg. .gtoreq.1 N, O, or S, wherein said optional substitutions are 1-4 R6. Each R50 = H, halo, Cl, F, CF3, C1-C3

perfluoro, C1-C3 perhalo, -OC1-C3 perhalo, NO2, CH3, R7, -OCH3, -OR7, -SR7, -CN, -NHR7, -N(R7)2, -CON(H)R23CON(R7)2, -R23N(H)R7, -R23N(R7)2; each R6 = H, halo, Cl, F, -CF3, -NO2, -R5, -SR50, -OR50, -CN, N(R50)2, -C(O)R50, -R23C(O)R50, -CON(R5)2, C4-C6 cycloalkyl, C3-7 cycloalkanone, C4-6 cycloalkylamine, C3-6 monocyclic or C5-13 bicyclic heteroaryl contg. .gtoreq.1 N, O, or S or a C6-C12 monocyclic or bicyclic heterocycle contg. .gtoreq.1 N, O, or S; R7 is H, halo or C1-6 alkyl; R23 is a bond or C1-C6 alkyl; with provisos. Although the methods of prepn. are not claimed, many example prepns. are included. For example, II was prepd. in 4 steps (65, 87, 92, 55 % yields, resp.) starting with coupling of 2-iodo-4-nitroaniline with 3,3-dimethyl-1-butyne to give 2-(3',3'-Dimethylbut-1-ynyl)-4-nitroaniline, which was cyclized to 2-tert-butyl-5-nitroindole, which was reduced to 5-amino-2-tert- butylindole, which was coupled with naphth-1-ylacetyl chloride. The activity of many I are tabulated.

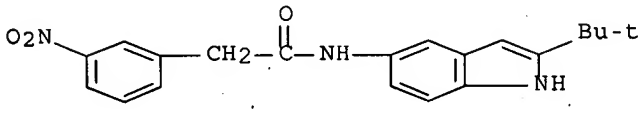
IT 682357-50-2P, 2-tert-Butyl-5-[(naphth-1-ylethanoyl)amino]indole
682357-51-3P, 2-tert-Butyl-5-[(3-nitrophenylethanoyl)amino]indole
682357-52-4P, 2-tert-Butyl-5-[(cyclopentylcarbonyl)amino]indole
682357-53-5P, 2-tert-Butyl-5-[[[1-(4-chlorophenyl)cyclopentyl]carbonyl]amino]indole 682357-54-6P, 2-tert-Butyl-5-[(2',6'-difluorophenylcarbonyl)amino]indole 682357-55-7P, 2-tert-Butyl-5-[(2',4'-dichlorophenylcarbonyl)amino]indole 682357-56-8P, 2-tert-Butyl-5-[[(3-methylthien-2-yl)carbonyl]amino]indole 682357-57-9P, 2-tert-Butyl-5-(2,2-dichloroacetamido)indole 682357-58-0P, 2-tert-Butyl-5-[[3-(piperidin-1-yl)propanoyl]amino]indole 682357-59-1P, 2-tert-Butyl-5-[[(1-acetylpiperidin-4-yl)carbonyl]amino]indole 682357-60-4P, 2-tert-Butyl-5-[[3-(indol-3-yl)propanoyl]amino]indole 682357-61-5P, 2-tert-Butyl-5-[[(benzodioxol-5-yl)acetyl]amino]indole 682357-62-6P, 2-tert-Butyl-5-[[(pyridin-3-yl)acetyl]amino]indole 682357-63-7P, 2-tert-Butyl-5-[[3-(acetylamino)propanoyl]amino]indole 682357-64-8P, 2-tert-Butyl-5-[(3,3-diphenylpropanoyl)amino]indole 682357-65-9P, 2-tert-Butyl-5-[[(4-fluorophenyl)acetyl]amino]indole 682357-66-0P, 2-tert-Butyl-5-[[(1,1'-biphenyl-4-yl)acetyl]amino]indole 682357-67-1P, 2-tert-Butyl-5-[[4-(dimethylamino)butanoyl]amino]indole 682357-68-2P, 2-tert-Butyl-5-[[(4-methoxythien-3-yl)carbonyl]amino]indole 682357-69-3P, 2-tert-Butyl-5-(butanoylamino)indole 682357-70-6P, 2-tert-Butyl-5-[(benzoyl)amino]indole 682357-71-7P, 2-tert-Butyl-5-[(3-fluorobenzoyl)amino]indole 682357-72-8P, 2-tert-Butyl-5-[(3-chlorobenzoyl)amino]indole 682357-73-9P, 2-tert-Butyl-5-[[(benzo[b]thiophen-2-yl)carbonyl]amino]indole 682357-74-0P, 2-tert-Butyl-5-[[(3-chlorothien-2-yl)carbonyl]amino]indole 682357-75-1P, 2-tert-Butyl-5-[[(furan-2-yl)carbonyl]amino]indole
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of substituted indoles and their use as HCV inhibitors)

RN 682357-50-2 CAPLUS

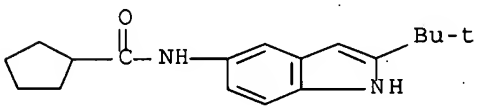
CN 1-Naphthaleneacetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



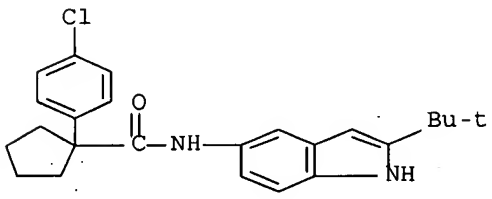
RN 682357-51-3 CAPLUS
CN Benzeneacetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-3-nitro- (CA INDEX NAME)



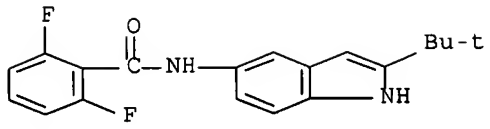
RN 682357-52-4 CAPLUS
CN Cyclopentanecarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



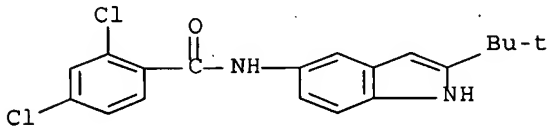
RN 682357-53-5 CAPLUS
CN Cyclopentanecarboxamide, 1-(4-chlorophenyl)-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



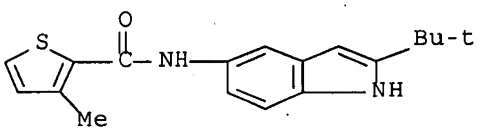
RN 682357-54-6 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-2,6-difluoro- (CA INDEX NAME)



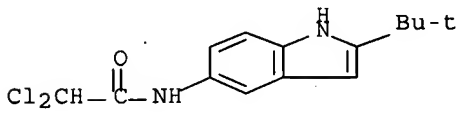
RN 682357-55-7 CAPLUS
CN Benzamide, 2,4-dichloro-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



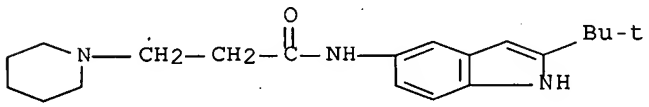
RN 682357-56-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-3-methyl- (CA INDEX NAME)



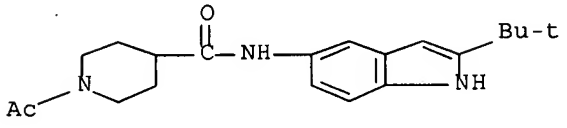
RN 682357-57-9 CAPLUS
CN Acetamide, 2,2-dichloro-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



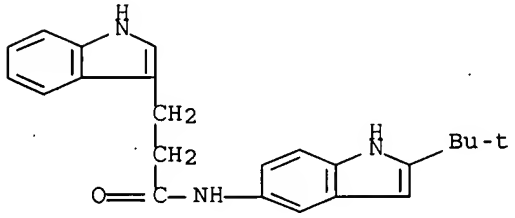
RN 682357-58-0 CAPLUS
CN 1-Piperidinepropanamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



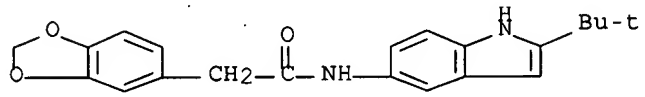
RN 682357-59-1 CAPLUS
CN 4-Piperidinecarboxamide, 1-acetyl-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



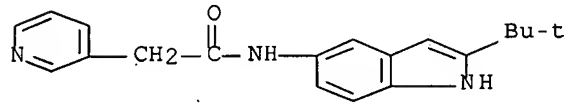
RN 682357-60-4 CAPLUS
CN 1H-Indole-3-propanamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



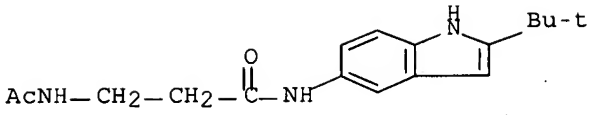
RN 682357-61-5 CAPLUS
CN 1,3-Benzodioxole-5-acetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



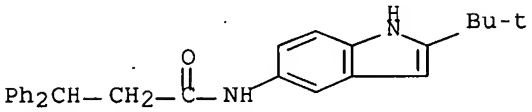
RN 682357-62-6 CAPLUS
CN 3-Pyridineacetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



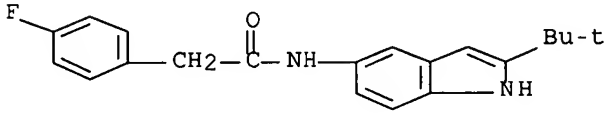
RN 682357-63-7 CAPLUS
CN Propanamide, 3-(acetylamino)-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



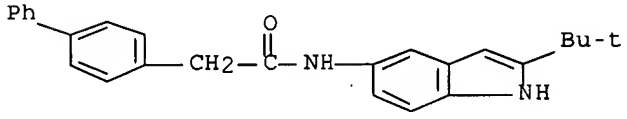
RN 682357-64-8 CAPLUS
CN Benzenepropanamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-.beta.-phenyl- (CA INDEX NAME)



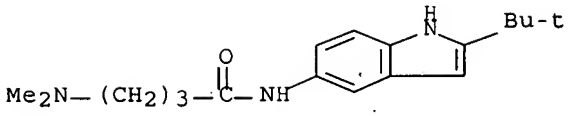
RN 682357-65-9 CAPLUS
CN Benzeneacetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-4-fluoro- (CA INDEX NAME)



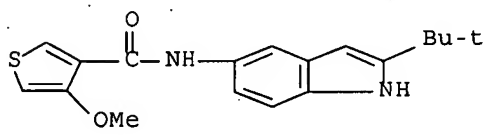
RN 682357-66-0 CAPLUS
CN [1,1'-Biphenyl]-4-acetamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



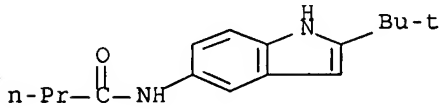
RN 682357-67-1 CAPLUS
CN Butanamide, 4-(dimethylamino)-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



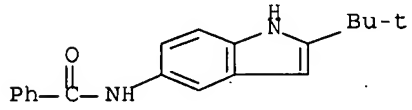
RN 682357-68-2 CAPLUS
CN 3-Thiophenecarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-4-methoxy- (CA INDEX NAME)



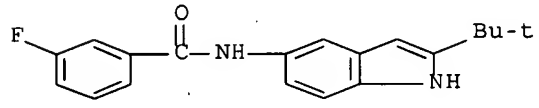
RN 682357-69-3 CAPLUS
CN Butanamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



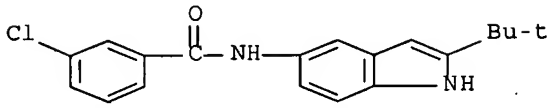
RN 682357-70-6 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



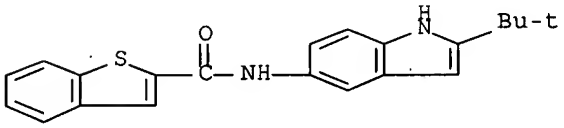
RN 682357-71-7 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-3-fluoro- (CA INDEX NAME)



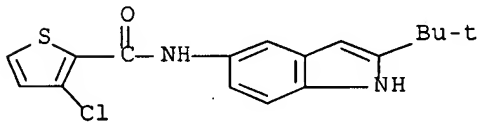
RN 682357-72-8 CAPLUS
CN Benzamide, 3-chloro-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



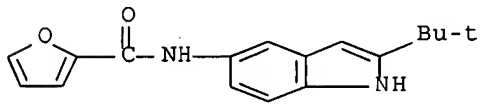
RN 682357-73-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



RN 682357-74-0 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



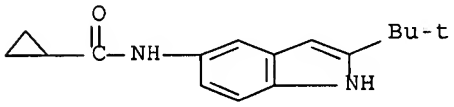
RN 682357-75-1 CAPLUS
CN 2-Furancarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (CA INDEX NAME)



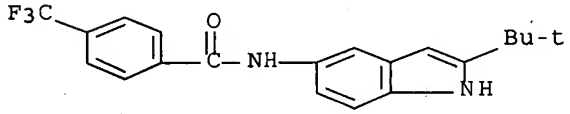
IT 397242-27-2, 2-(tert-Butyl)-5-[(cyclopropylcarbonyl)amino]indole 397872-88-7, 2-(tert-Butyl)-5-[[4-(trifluoromethyl)benzoyl]amino]indole 397872-89-8, 2-(tert-Butyl)-5-[[(2,6-dichloropyridin-4-yl)carbonyl]amino]indole 397872-90-1, 2-(tert-Butyl)-5-[(3,4,5-trimethoxybenzoyl)amino]indole 397872-93-4, 2-(tert-Butyl)-5-[[(thien-2-yl)carbonyl]amino]indole 682358-96-9, 5-[(2,2-Dimethylpropanoyl)amino]-2-(1,1-dimethylpropyl)indole

682358-97-0, 2-(1,1-Dimethylpropyl)-5-[(3-phenyl-2-propenoyl)amino]indole 682358-98-1, 5-[[4-(tert-Butyl)benzoyl]amino]-2-(1,1-dimethylpropyl)indole 682358-99-2, 5-[(2,6-Difluorobenzoyl)amino]-2-(1,1-dimethylpropyl)indole 682359-00-8, 2-(1,1-Dimethylpropyl)-5-[[3-(trifluoromethyl)benzoyl]amino]indole 682359-01-9, 2-(1,1-Dimethylpropyl)-5-[(diphenylacetyl)amino]indole 682359-02-0, 2-(1,1-Dimethylpropyl)-5-[[(thien-2-yl)carbonyl]amino]indole 682359-03-1, 5-[[(2,6-Dichloropyridin-4-yl)carbonyl]amino]-2-(1,1-dimethylpropyl)indole
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(drug candidate; prepn. of substituted indoles and their use as HCV inhibitors)

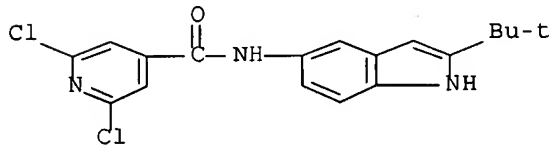
RN 397242-27-2 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



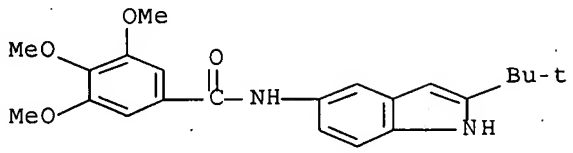
RN 397872-88-7 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



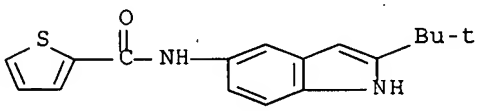
RN 397872-89-8 CAPLUS
CN 4-Pyridinecarboxamide, 2,6-dichloro-N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



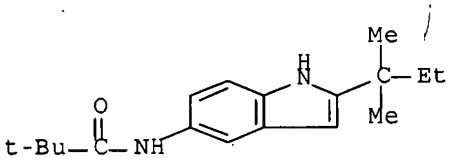
RN 397872-90-1 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



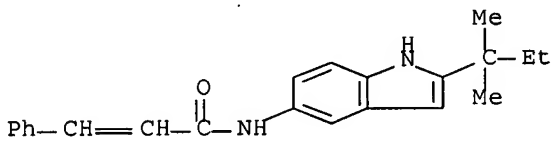
RN 397872-93-4 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(1,1-dimethylethyl)-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



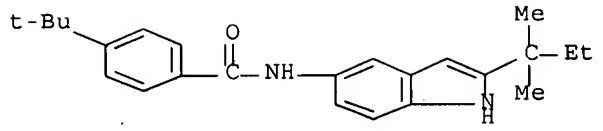
RN 682358-96-9 CAPLUS
CN Propanamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]-2,2-dimethyl- (CA INDEX NAME)



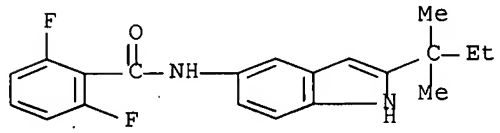
RN 682358-97-0 CAPLUS
CN 2-Propenamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]-3-phenyl- (CA INDEX NAME)



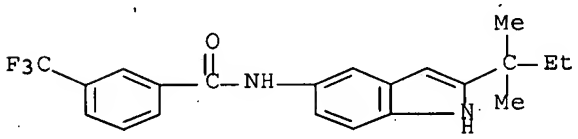
RN 682358-98-1 CAPLUS
CN Benzamide, 4-(1,1-dimethylethyl)-N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]- (CA INDEX NAME)



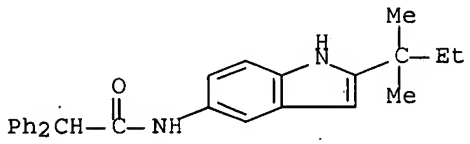
RN 682358-99-2 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]-2,6-difluoro- (CA INDEX NAME)



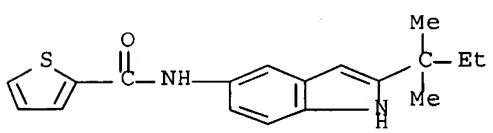
RN 682359-00-8 CAPLUS
CN Benzamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]-3-(trifluoromethyl)- (CA INDEX NAME)



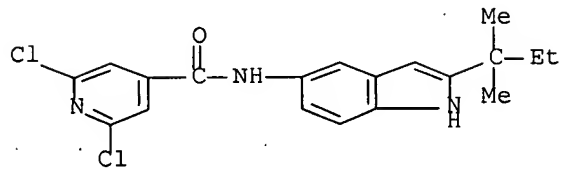
RN 682359-01-9 CAPLUS
CN Benzeneacetamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]-.alpha.-phenyl- (CA INDEX NAME)



RN 682359-02-0 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]- (CA INDEX NAME)

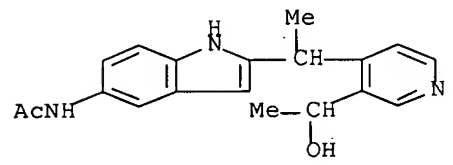


RN 682359-03-1 CAPLUS
CN 4-Pyridinecarboxamide, 2,6-dichloro-N-[2-(1,1-dimethylpropyl)-1H-indol-5-yl]- (CA INDEX NAME)

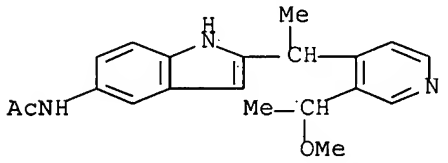


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:170746 CAPLUS Full-text
DOCUMENT NUMBER: 82:170746
TITLE: Improved synthesis of 6H-pyrido[4,3-b]carbazole derivatives
AUTHOR(S): Sainsbury, Malcolm; Webb, Brian; Schinazi, Raymond
CORPORATE SOURCE: Sch. Chem., Univ. Bath, Bath, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1975), (3), 289-98
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 82:170746
GI For diagram(s), see printed CA Issue.
AB Pyridine deriv. I with 1,3-diacetylindoxyl and its 5-acetamido deriv. gave indolines II and III, resp. Redn. of II and III followed by dehydration gave indoles IV and V, resp. which with Me2SO and Ac2O gave ellipticine and its 9-acetamido deriv. (VII), resp. 9-Phenylellipticine (VIII) was prepd. in 3 steps from 1,3-diacetyl-5-phenylindoxyl and 4-acetyl-3-(1-methoxyethyl)pyridine.
IT 55676-16-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 55676-16-9 CAPLUS
CN Acetamide, N-[2-[1-[3-(1-hydroxyethyl)-4-pyridinyl]ethyl]-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:552046 CAPLUS Full-text
DOCUMENT NUMBER: 81:152046
TITLE: Synthesis of 9-aminoellipticine (9-amino-5,11-dimethyl-6H-pyrido[4,3-b]carbazole) and related compounds
AUTHOR(S): Sainsbury, Malcolm; Webb, Brian
CORPORATE SOURCE: Sch. Chem. Chem. Eng., Univ. Bath, Bath, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (13), 1580-4
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The title compd. (I) was prepd. from 5-acetamido-1-acetylindol-3-yl acetate and the ketone II via the acetamidoindole III. III with HBr was cyclized, hydrogenated, and hydrolyzed in 1 step to I. The redn. mechanism is discussed.
IT 54368-90-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 54368-90-0 CAPLUS
CN Acetamide, N-[2-[1-[3-(1-methoxyethyl)-4-pyridinyl]ethyl]-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



=> s l11
L16 74 L11

=> s l16 and pharmaceutical
251143 PHARMACEUTICAL
90414 PHARMACEUTICALS
305553 PHARMACEUTICAL
(PHARMACEUTICAL OR PHARMACEUTICALS)
L17 11 L16 AND PHARMACEUTICAL

=> d ibib abs hitstr tot

L17 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:817587 CAPLUS Full-text
DOCUMENT NUMBER: 147:211880
TITLE: Preparation of imidazopyridine derivatives as protein kinase inhibitors for the treatment of diabetes, obesity, dementia, cancer, and inflammation
INVENTOR(S): Lee, Seung Chul; Choi, Jin Seok; Oh, Jung Hoon; Park, Boonsaeng; Kim, Yong Eun; Lee, Jun Hee; Shin, Dongkyu; Kim, Cheol Min; Hyun, Young-Lan; Lee, Cheol Soon; Cho, Joong-Myung; Ro, Seonggu

PATENT ASSIGNEE(S): Crystalgenomics, Inc., S. Korea
SOURCE: PCT Int. Appl., 157pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

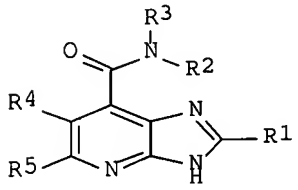
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007083978	A1	20070726	WO 2007-KR393	20070123

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

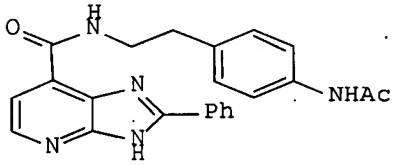
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: KR 2006-6834 A 20060123
US 2006-846411P P 20060921

OTHER SOURCE(S): MARPAT 147:211880
GI



I



II

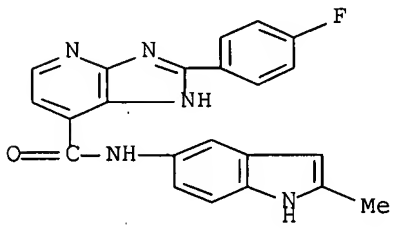
AB Title compds. I [wherein R1 = OH, halo, alkyl, etc.; R2 = H, (un)substituted alkyl, aryl, etc.; R3 - R5 = H, (un)substituted alkyl, cycloalkyl, etc.; R2 and R3 may link together to form a ring] and pharmaceutically acceptable salts, hydrates, solvates or isomers thereof were prepd. as protein kinase inhibitors. For instance, successive nitro redn. of 4-methyl-3-nitropyridin-2-amine, cyclocondensation of the resultant diamine with benzoic acid to imidazopyridine, oxidn. of the Me group with KMnO4 and esterification in methanol, hydrolysis of the obtained Me ester, and EDC-mediated coupling with 4-acetylphenethylamine led to amide II. This product showed inhibition of glycogen synthase kinase-3 (GSK-3) with an IC50 of 0.02 .mu.M. Inhibitory activity of representative I against other protein kinases, including aurora kinase A, extracellular signal-regulated kinase 1 (ERK-1), cyclin-dependent kinase 2 (CDK-2), c-Jun N-terminal kinase 1 (JNK-1), pyruvate dehydrogenase kinase 1 (PDK-1), kinase insert domain protein receptor (KDR) and p38 mitogen-activated protein kinase (MAPK), was also demonstrated. Therefore, the invented compds. and pharmaceutical compns. are useful for preventing or

treating diseases such as diabetes, obesity, dementia, cancer, and inflammation.

IT 944744-04-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of imidazopyridine derivs. as protein kinase inhibitors for treatment of diabetes, obesity, dementia, cancer, and inflammation)

RN 944744-04-1 CAPLUS

CN 3H-Imidazo[4,5-b]pyridine-7-carboxamide, 2-(4-fluorophenyl)-N-(2-methyl-1H-indol-5-yl)- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1342377 CAPLUS Full-text

DOCUMENT NUMBER: 146:81616

TITLE: Preparation of substituted adamantane compounds as sphingosine kinase inhibitors

INVENTOR(S): Smith, Charles D.; French, Kevin J.; Zhuang, Yan

PATENT ASSIGNEE(S): Apogee Biotechnology Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 77pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

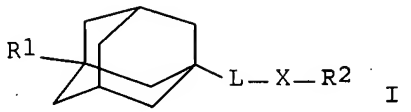
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006287317	A1	20061221	US 2006-424423	20060615
WO 2006138660	A2	20061228	WO 2006-US23645	20060615
WO 2006138660	A3	20070719		

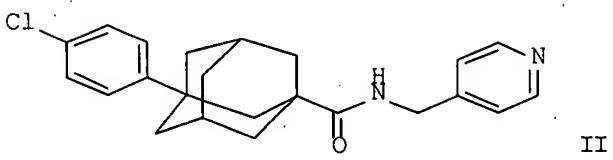
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2005-691563P P 20050617
OTHER SOURCE(S): MARPAT 146:81616
GI



I



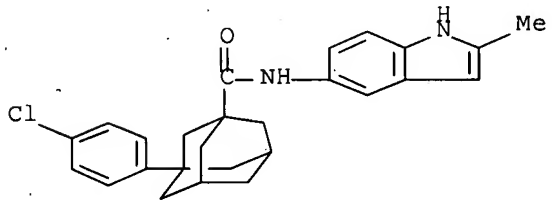
II

AB The title compds. I [L = a bond, CR3R4; X = O, S, C(O), etc.; R1 = H, alkyl, cycloalkyl, aryl, etc.; R2 = H, alkyl, aryl, heteroaryl, etc.; R3 = H, alkyl, cycloalkyl, etc.; R4 = H or alkyl, provided that when R3 is oxo, then R4 is absent], useful for inhibiting sphingosine kinase and for treating or preventing hyperproliferative disease, inflammatory disease, or angiogenic disease, were prepd. E.g., a multi-step synthesis of II, starting from adamantane-1-carboxylic acid, was given. compds. I were tested for SK inhibition and for their antitumor activity (data were given for exemplified compds. I). Pharmaceutical compns. comprising the compds. I are disclosed.

IT 917236-31-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted adamantane compds. as sphingosine kinase inhibitors useful in treatment and prevention of diseases)

RN 917236-31-8 CAPLUS

CN Tricyclo[3.3.1.13,7]decane-1-carboxamide, 3-(4-chlorophenyl)-N-(2-methyl-1H-indol-5-yl)- (CA INDEX NAME)



L17 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:465536 CAPLUS Full-text
DOCUMENT NUMBER: 144:488668
TITLE: Pyridine- and pyrimidinecarboxylic acid derivatives and related compounds as IL-12 modulators and their

preparation, pharmaceutical compositions, and use for treatment of various autoimmune diseases

INVENTOR(S): Sun, Lijun; Kostik, Elena; Przewloka, Teresa; Ng, Howard P.; Chimmanamada, Dinesh; Demko, Zachary

PATENT ASSIGNEE(S): Synta Pharmaceuticals Corp., USA

SOURCE: PCT Int. Appl., 246 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006053227	A2	20060518	WO 2005-US40952	20051110
WO 2006053227	A3	20060706		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005304393	A1	20060518	AU 2005-304393	20051110
CA 2586870	A1	20060518	CA 2005-2586870	20051110
US 2006223996	A1	20061005	US 2005-272509	20051110
EP 1819341	A2	20070822	EP 2005-820870	20051110
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				

PRIORITY APPLN. INFO.: US 2004-626761P P 20041110
WO 2005-US40952 W 20051110

OTHER SOURCE(S): MARPAT 144:488668

GI

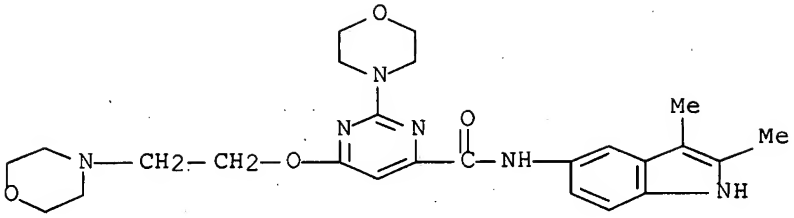
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to heterocyclic compds. of formula I, compns. including the compds. and methods of using and methods of making thereof. The compds. (and compns.) are useful, inter alia, in modulating IL-12 prodn. and processes mediated by IL-12. Compds. of formula I wherein X and R1, taken together, are CONR'R''; X is (un)substituted (thio)carbonylamino, (un)substituted amino(thio)carbonyl, C(=NH)NH and derivs., NHC(NH) and derivs., (un)substituted amino(thio)carbonylamino, NHC(=NH)NH and derivs., etc.; R1 is R6-L-R7; R6 is (un)substituted (hetero)cycloalkyl, (un)substituted cyclyl, (un)substituted (hetero)aryl(alkyl), or absent; L is O, S, SO, SO2, NH and derivs., NHCO and derivs., CONH and derivs., COO or OCO or absent; R7 is H, (un)substituted alkyl, (un)substituted cyclyl, (un)substituted (hetero)cycloalkyl, (un)substituted (hetero)aryl(alkyl) etc; Q, U, and V are independently N or CRg, wherein at least one of Q, U or V is N; R3 is Rg, CHO and derivs., (thio)formyl, (oxy)acyl, sulfanyl(thio)acyl, amino(thio)acyl, C(=NH)H and derivs., etc.; Rg, R2 and R4 are independently H, (un)substituted

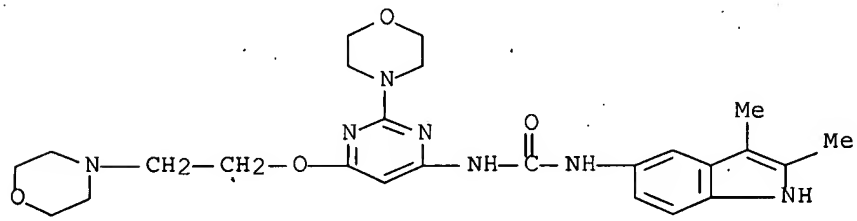
alkyl(carbonyl), OH and derivs., SH and derivs., NH2 and derivs., hydroxyalkyl, (thio)formyl, (oxy)(thio)acyl, sulfanyl(thio)acyl, etc.; R' and R'' are independently H, (un)substituted alkyl, (un)substituted alkenyl, (un)substituted alkynyl, (un)substituted (hetero)cyclyl, (un)substituted (hetero)cycloalkyl, (un)substituted (hetero)aryl(alkyl), etc; G is hydrazide, hydrazone, hydrazine, hydroxylamine, oxime, amide, ester, carbonate, carbamate, etc; W is O, S, SO, SO2, NH and derivs., aminoacyl; m is 0-4; and their pharmaceutically acceptable salts, solvates, clathrates, hydrates, or polymorphs are claimed. Example compd. II was prepd. by substitution of Me 2,4-dichloropyrimidine-6-carboxylate with N-(2-hydroxyethyl)morpholine to give Me 2-chloro-6-[2-(morpholin-4-yl)ethoxy]pyrimidine-6-carboxylate, which reacted with morpholine to give Me 2-morpholino-6-[2-(morpholin-4-yl)ethoxy]pyrimidine-6-carboxylate, which underwent amidation with 5-amino-2,3-dimethylindole to give example compd. II. All the invention compds. were evaluated for their IL-12 inhibitory activity. From the assay, noumerous of the invention compds. exhibited in vitro IC50 values < 1.mu.M against human PBMC or THP-1 cells.

IT 887133-20-2P 887133-33-7P 887133-34-8P
887133-35-9P 887133-38-2P 887133-39-3P
887133-41-7P 887133-44-0P 887133-45-1P
887133-46-2P 887133-47-3P 887133-48-4P
887133-59-7P 887133-81-5P 887133-87-1P
887134-15-8P 887134-16-9P 887134-17-0P
887134-18-1P 887134-19-2P 887134-20-5P
887134-21-6P 887134-22-7P 887134-23-8P
887134-24-9P 887134-25-0P 887134-26-1P
887134-27-2P 887134-28-3P 887134-29-4P
887134-30-7P 887134-31-8P 887134-32-9P
887134-33-0P 887134-34-1P 887134-35-2P
887134-36-3P 887134-37-4P 887134-38-5P
887134-39-6P 887134-40-9P 887134-43-2P
887134-72-7P 887134-73-8P 887134-74-9P
887134-75-0P 887134-83-0P 887134-85-2P
887134-88-5P 887134-95-4P 887134-96-5P
887134-98-7P 887134-99-8P 887135-00-4P
887135-03-7P 887135-04-8P 887135-07-1P
887135-09-3P 887135-10-6P 887135-16-2P
887135-20-8P 887135-21-9P 887135-22-0P
887135-65-1P 887135-92-4P 887135-93-5P
887135-94-6P 887135-95-7P 887135-96-8P
887135-97-9P 887135-98-0P 887135-99-1P
887136-00-7P 887136-01-8P 887136-02-9P
887136-03-0P 887136-05-2P 887136-06-3P
887136-10-9P 887136-11-0P 887136-12-1P
887136-13-2P 887136-14-3P 887136-15-4P
887136-16-5P 887136-17-6P 887136-20-1P
887136-28-9P 887136-30-3P 887136-33-6P
887136-41-6P 887136-48-3P 887136-54-1P
887136-61-0P 887136-63-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(drug candidate; prepn. of pyridine- and pyrimidinecarboxylic acid derivs. and related compds. as IL-12 modulators useful in treatment of diseases)

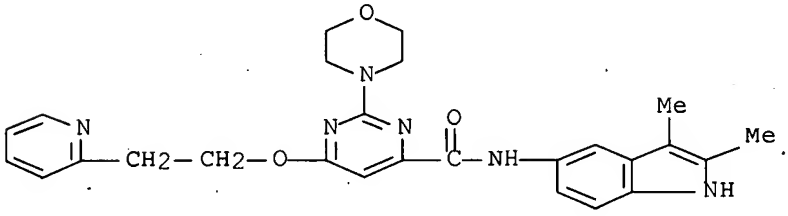
RN 887133-20-2 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(4-morpholinyl)ethoxy]- (CA INDEX NAME)



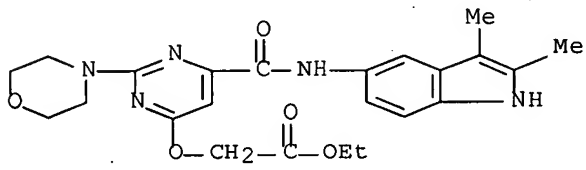
RN 887133-33-7 CAPLUS
CN Urea, N-(2,3-dimethyl-1H-indol-5-yl)-N'-[2-(4-morpholinyl)-6-[2-(4-morpholinyl)ethoxy]-4-pyrimidinyl]- (CA INDEX NAME)



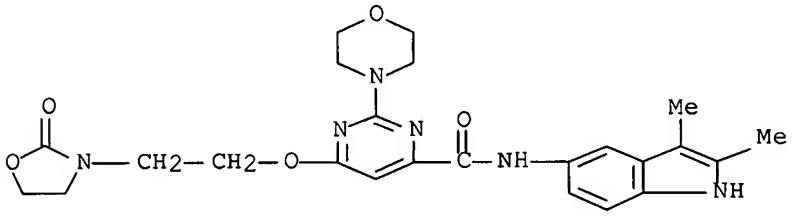
RN 887133-34-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(2-pyridinyl)ethoxy]- (CA INDEX NAME)



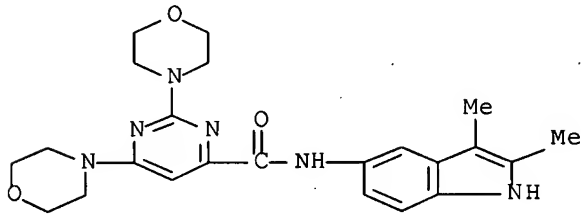
RN 887133-35-9 CAPLUS
CN Acetic acid, [[6-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-2-(4-morpholinyl)-4-pyrimidinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



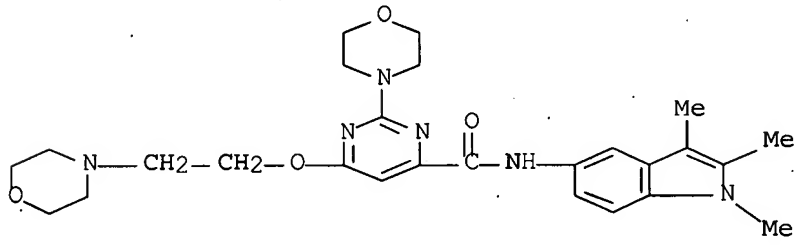
RN 887133-38-2 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(2-oxo-3-oxazolidinyl)ethoxy]- (CA INDEX NAME)



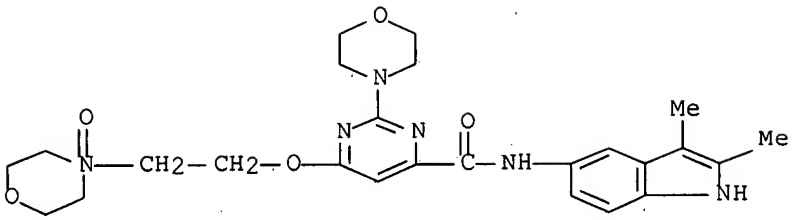
RN 887133-39-3 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2,6-di-4-morpholinyl- (CA INDEX NAME)



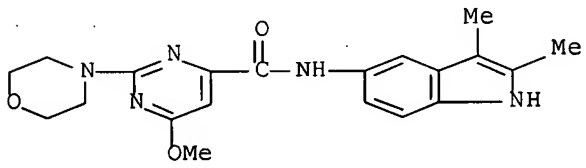
RN 887133-41-7 CAPLUS
CN 4-Pyrimidinecarboxamide, 2-(4-morpholinyl)-6-[2-(4-morpholinyl)ethoxy]-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



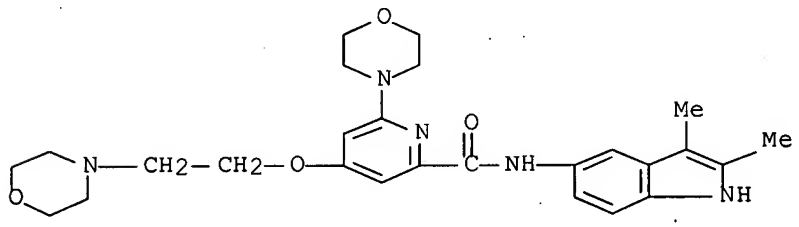
RN 887133-44-0 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(4-oxido-4-morpholinyl)ethoxy]- (CA INDEX NAME)



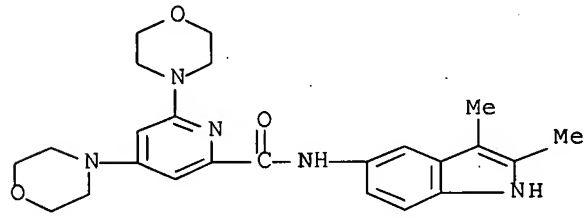
RN 887133-45-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-methoxy-2-(4-morpholinyl)- (CA INDEX NAME)



RN 887133-46-2 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)-4-[2-(4-morpholinyl)ethoxy]- (CA INDEX NAME)

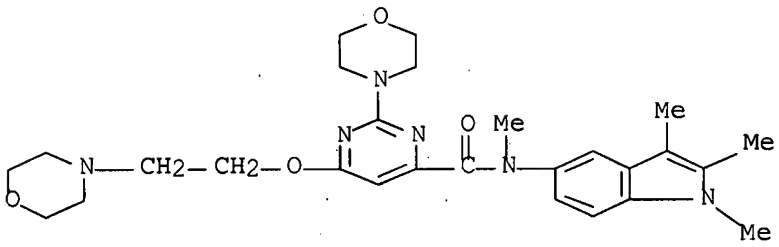


RN 887133-47-3 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-4,6-di-4-morpholinyl- (CA INDEX NAME)

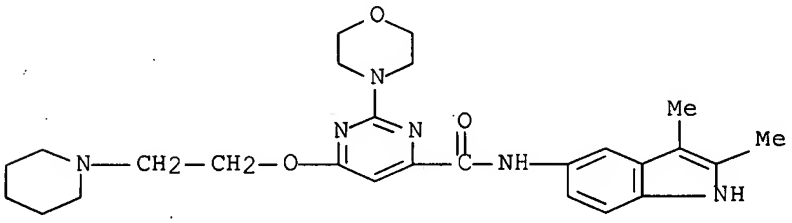


RN 887133-48-4 CAPLUS

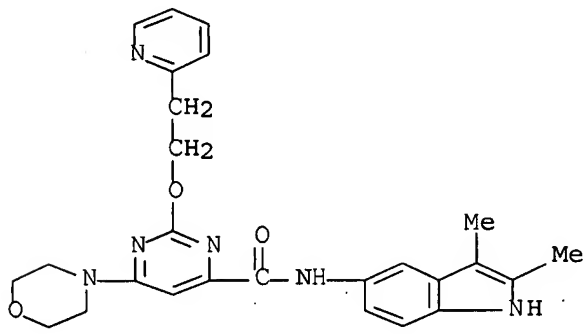
CN 4-Pyrimidinecarboxamide, N-methyl-2-(4-morpholinyl)-6-[2-(4-morpholinyl)ethoxy]-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



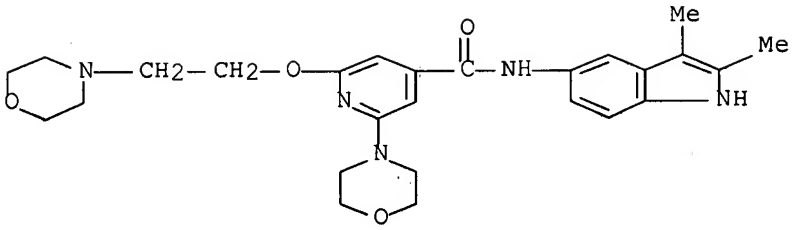
RN 887133-59-7 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(1-piperidinyl)ethoxy]- (CA INDEX NAME)



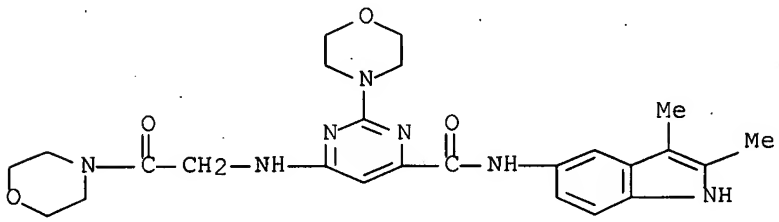
RN 887133-81-5 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)-2-[2-(2-pyridinyl)ethoxy]- (CA INDEX NAME)



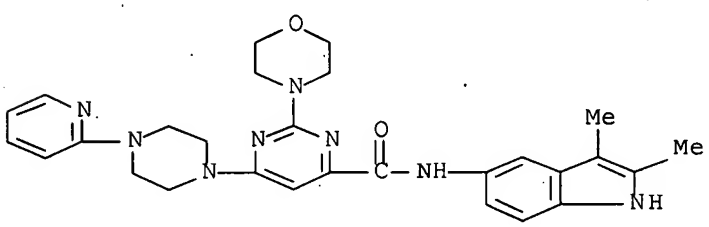
RN 887133-87-1 CAPLUS
CN 4-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(4-morpholinyl)ethoxy]- (CA INDEX NAME)



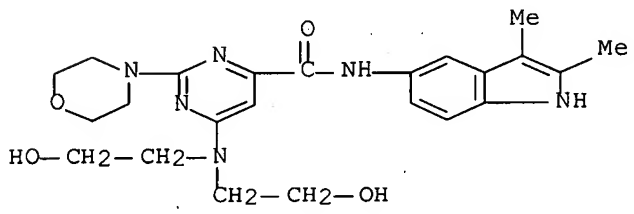
RN 887134-15-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[[2-(4-morpholinyl)-2-oxoethyl]amino]- (CA INDEX NAME)



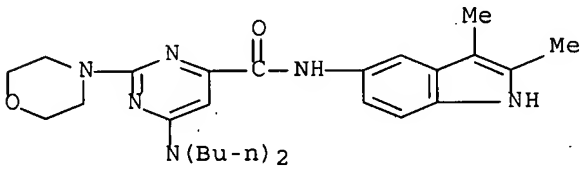
RN 887134-16-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[4-(2-pyridinyl)-1-piperazinyl]- (CA INDEX NAME)



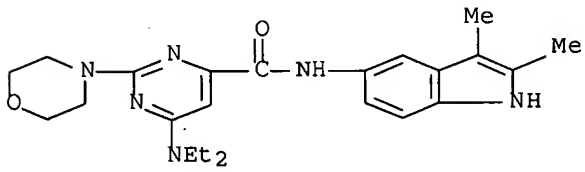
RN 887134-17-0 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[bis(2-hydroxyethyl)amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



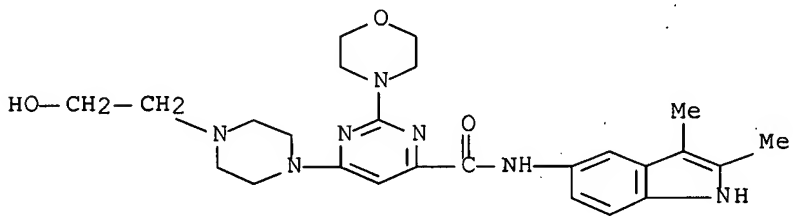
RN 887134-18-1 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(dibutylamino)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



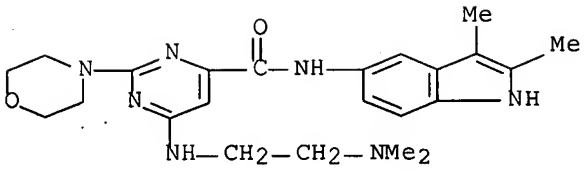
RN 887134-19-2 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(diethylamino)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



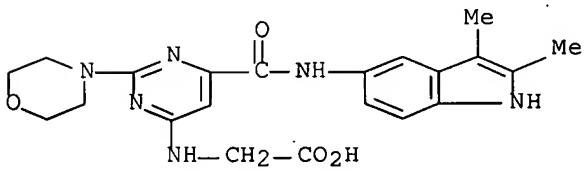
RN 887134-20-5 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[4-(2-hydroxyethyl)-1-piperazinyl]-2-(4-morpholinyl)- (CA INDEX NAME)



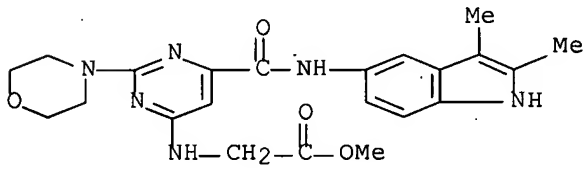
RN 887134-21-6 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(dimethylamino)ethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



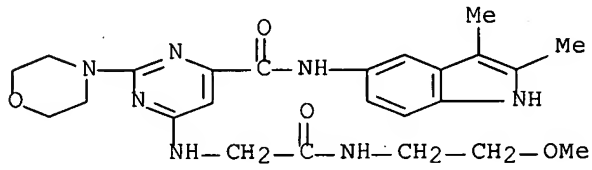
RN 887134-22-7 CAPLUS
CN Glycine, N-[6-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-2-(4-morpholinyl)-4-pyrimidinyl]- (CA INDEX NAME)



RN 887134-23-8 CAPLUS
CN Glycine, N-[6-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-2-(4-morpholinyl)-4-pyrimidinyl]-, methyl ester (CA INDEX NAME)

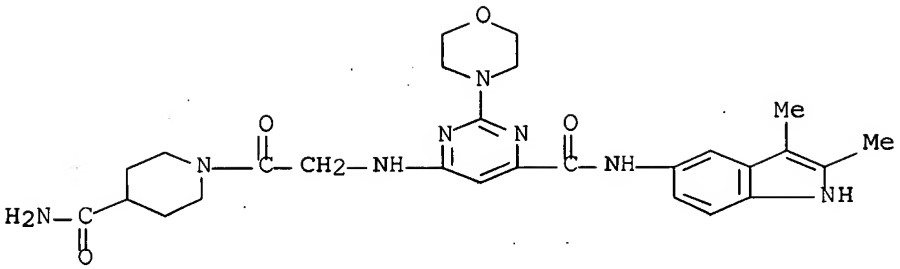


RN 887134-24-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-[(2-methoxyethyl)amino]-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)

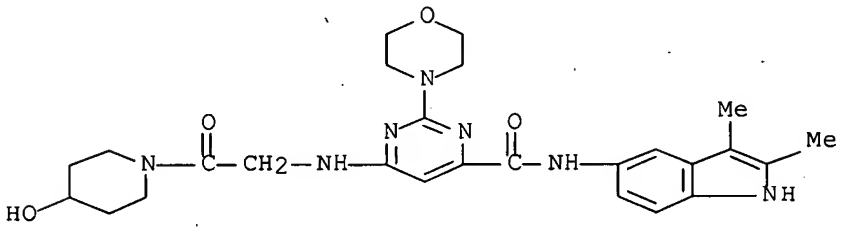


RN 887134-25-0 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-[4-(aminocarbonyl)-1-piperidinyl]-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA

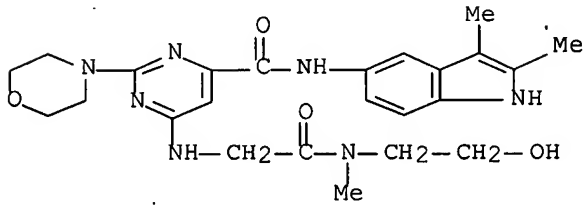
INDEX NAME)



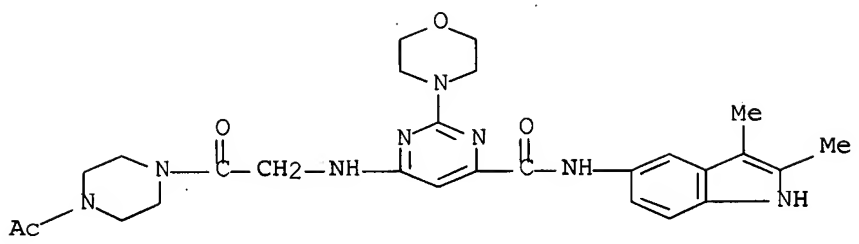
RN 887134-26-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-(4-hydroxy-1-piperidinyl)-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



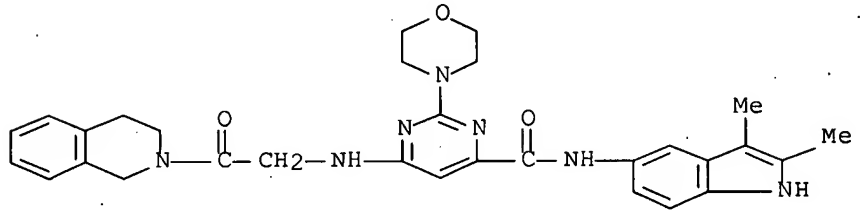
RN 887134-27-2 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-[(2-hydroxyethyl)methylamino]-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



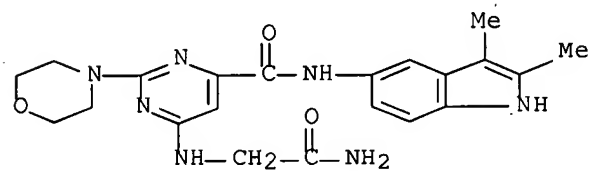
RN 887134-28-3 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(4-acetyl-1-piperazinyl)-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



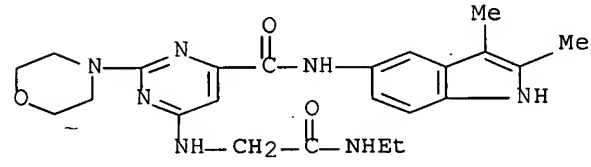
RN 887134-29-4 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(3,4-dihydro-2(1H)-isoquinolinyl)-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



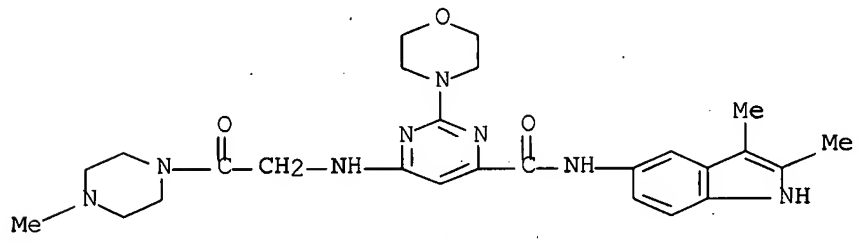
RN 887134-30-7 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[(2-amino-2-oxoethyl)amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



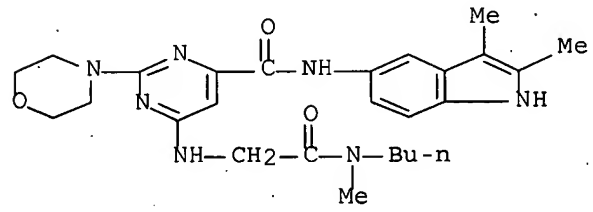
RN 887134-31-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-(ethylamino)-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



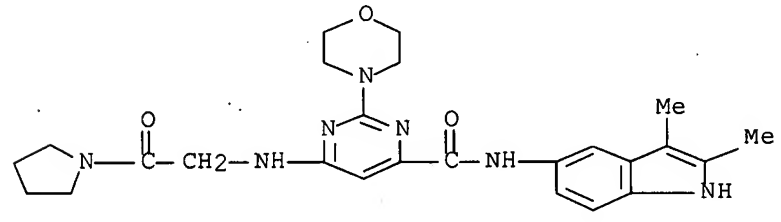
RN 887134-32-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-(4-methyl-1-piperazinyl)-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



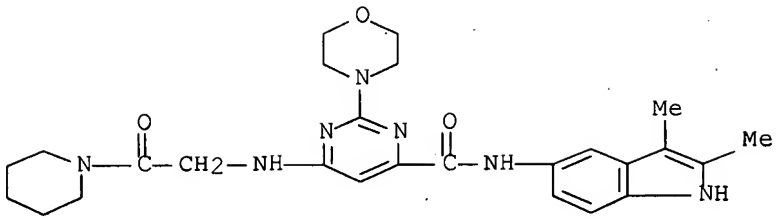
RN 887134-33-0 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(butylmethylamino)-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



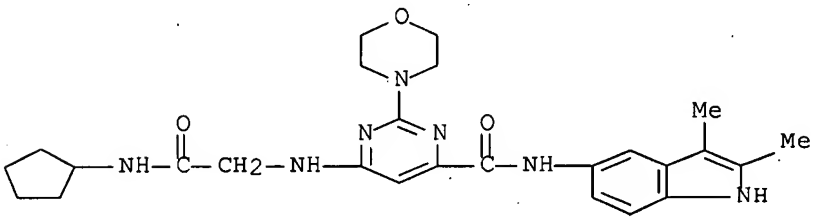
RN 887134-34-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[[2-oxo-2-(1-pyrrolidinyl)ethyl]amino]- (CA INDEX NAME)



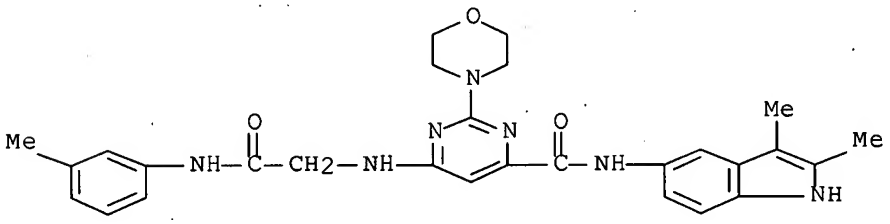
RN 887134-35-2 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[[2-oxo-2-(1-piperidinyl)ethyl]amino]- (CA INDEX NAME)



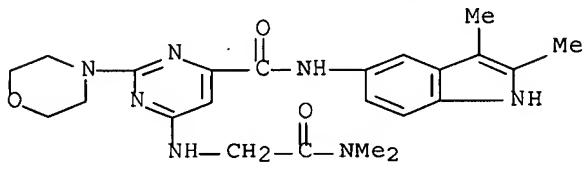
RN 887134-36-3 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(cyclopentylamino)-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



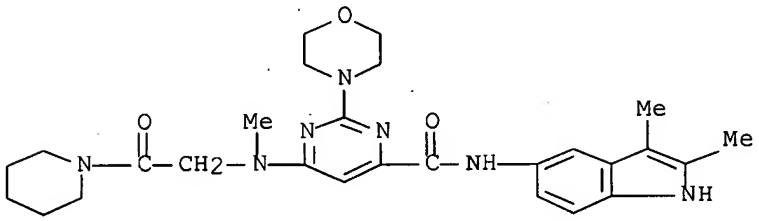
RN 887134-37-4 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[[2-[(3-methylphenyl)amino]-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



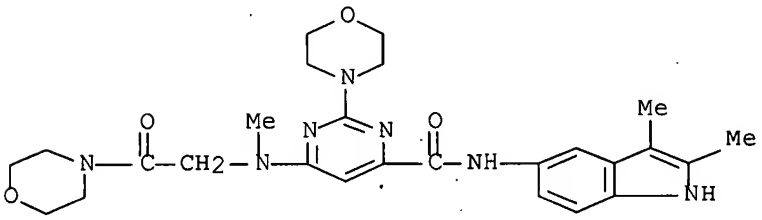
RN 887134-38-5 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[[2-(dimethylamino)-2-oxoethyl]amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



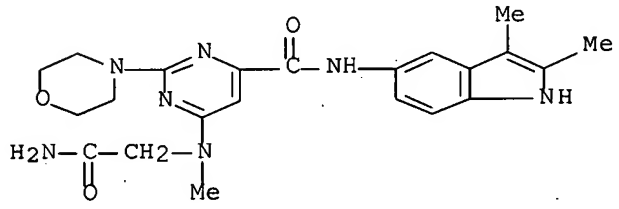
RN 887134-39-6 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[methyl[2-oxo-2-(1-piperidinyl)ethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



RN 887134-40-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[methyl[2-(4-morpholinyl)-2-oxoethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



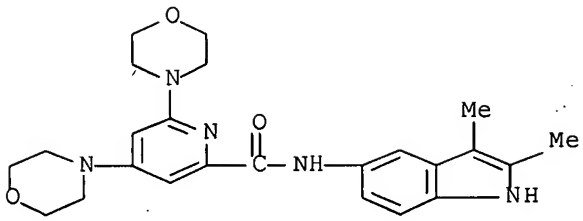
RN 887134-43-2 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[(2-amino-2-oxoethyl)methylamino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



RN 887134-72-7 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-4,6-di-4-morpholinyl-, monomethanesulfonate (9CI) (CA INDEX NAME)

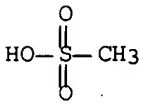
CM 1

CRN 887133-47-3
CMF C24 H29 N5 O3

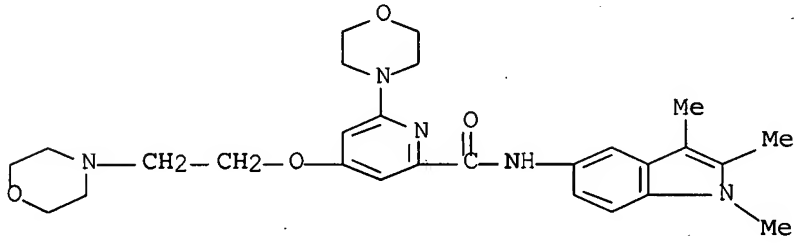


CM 2

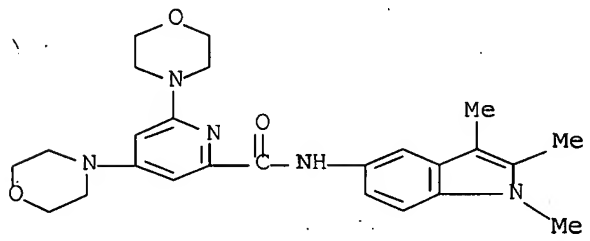
CRN 75-75-2
CMF C H4 O3 S



RN 887134-73-8 CAPLUS
CN 2-Pyridinecarboxamide, 6-(4-morpholinyl)-4-[2-(4-morpholinyl)ethoxy]-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



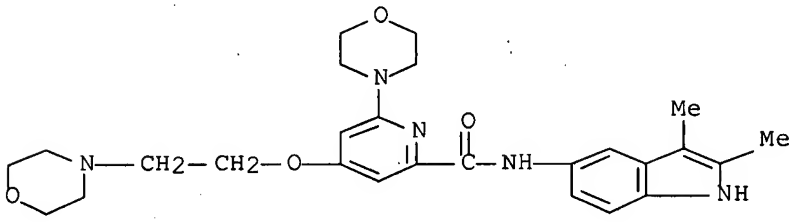
RN 887134-74-9 CAPLUS
CN 2-Pyridinecarboxamide, 4,6-di-4-morpholinyl-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



RN 887134-75-0 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)-4-[2-(4-morpholinyl)ethoxy]-, monomethanesulfonate (9CI) (CA INDEX NAME)

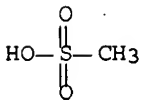
CM 1

CRN 887133-46-2
CMF C26 H33 N5 O4

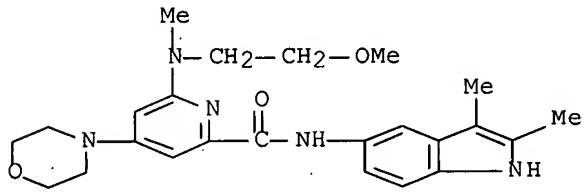


CM 2

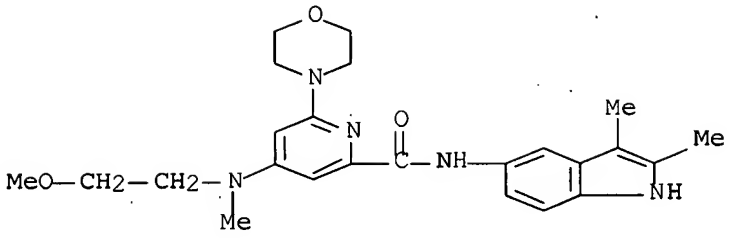
CRN 75-75-2
CMF C H4 O3 S



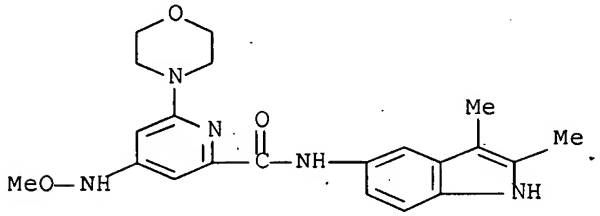
RN 887134-83-0 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[(2-methoxyethyl)methylamino]-4-(4-morpholinyl)- (CA INDEX NAME)



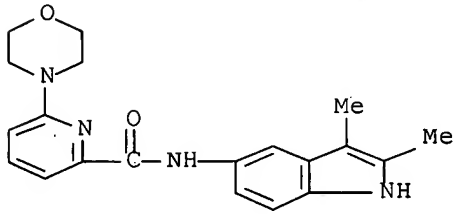
RN 887134-85-2 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-4-[(2-methoxyethyl)methylamino]-6-(4-morpholinyl)- (CA INDEX NAME)



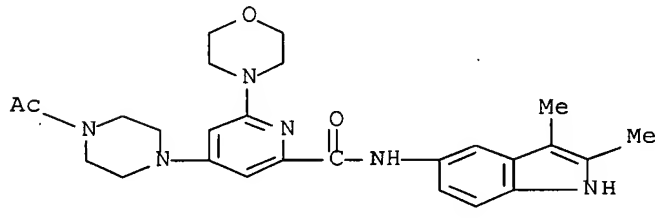
RN 887134-88-5 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-4-(methoxyamino)-6-(4-morpholinyl)- (CA INDEX NAME)



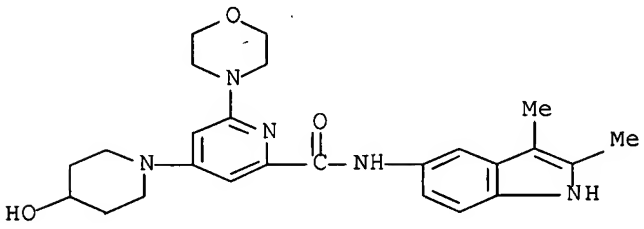
RN 887134-95-4 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)- (CA INDEX NAME)



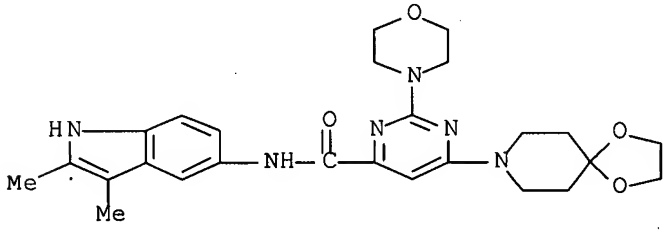
RN 887134-96-5 CAPLUS
CN 2-Pyridinecarboxamide, 4-(4-acetyl-1-piperazinyl)-N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)- (CA INDEX NAME)



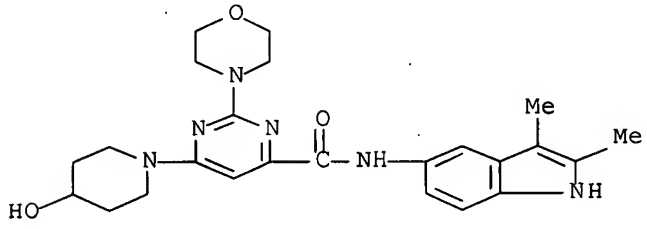
RN 887134-98-7 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-4-(4-hydroxy-1-piperidinyl)-6-(4-morpholinyl)- (CA INDEX NAME)



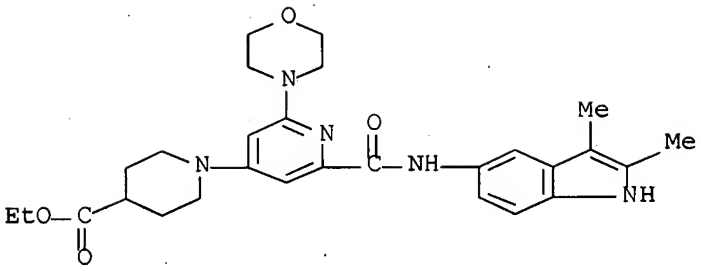
RN 887134-99-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(1,4-dioxa-8-azaspiro[4.5]dec-8-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



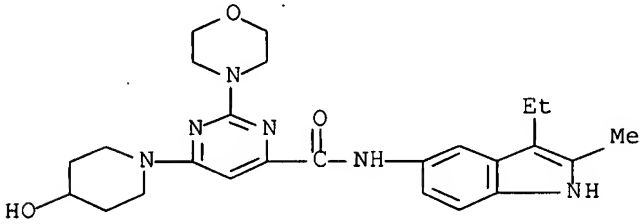
RN 887135-00-4 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-hydroxy-1-piperidinyl)-2-(4-morpholinyl)- (CA INDEX NAME)



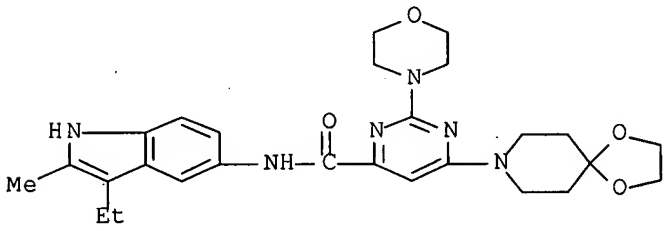
RN 887135-03-7 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[2-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-6-(4-morpholinyl)-4-pyridinyl]-, ethyl ester (CA INDEX NAME)



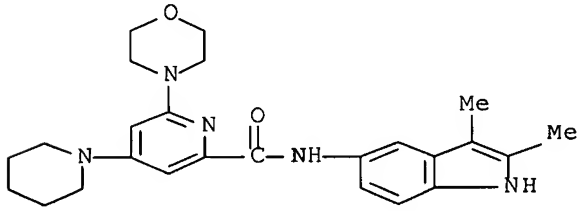
RN 887135-04-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(3-ethyl-2-methyl-1H-indol-5-yl)-6-(4-hydroxy-1-piperidinyl)-2-(4-morpholinyl)- (CA INDEX NAME)



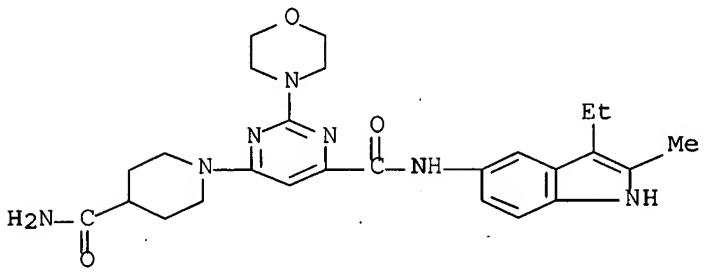
RN 887135-07-1 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(1,4-dioxa-8-azaspiro[4.5]dec-8-yl)-N-(3-ethyl-2-methyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



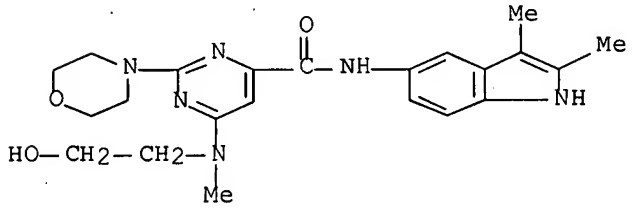
RN 887135-09-3 CAPLUS
CN 2-Pyridinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-morpholinyl)-4-(1-piperidinyl)- (CA INDEX NAME)



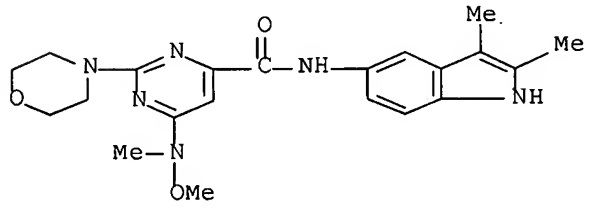
RN 887135-10-6 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[4-(aminocarbonyl)-1-piperidinyl]-N-(3-ethyl-2-methyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



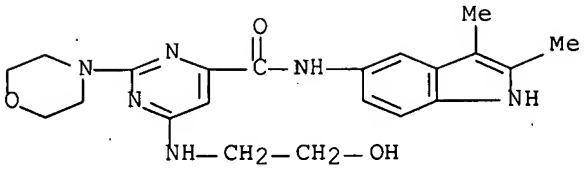
RN 887135-16-2 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[(2-hydroxyethyl)methylamino]-2-(4-morpholinyl)- (CA INDEX NAME)



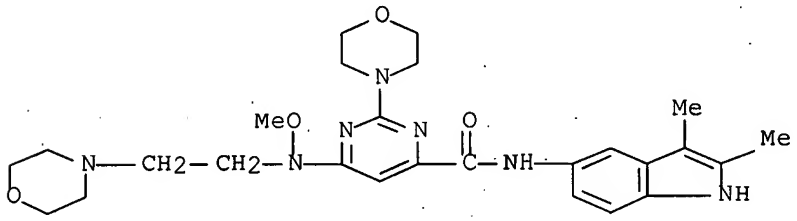
RN 887135-20-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(methoxymethylamino)-2-(4-morpholinyl)- (CA INDEX NAME)



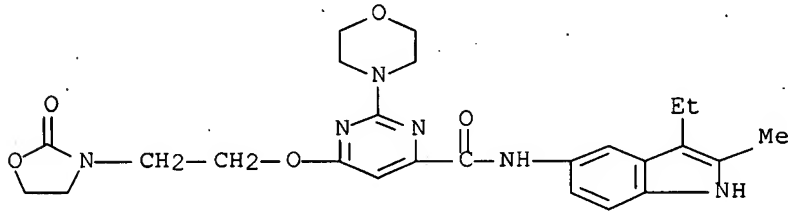
RN 887135-21-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[(2-hydroxyethyl)amino]-2-(4-morpholinyl)- (CA INDEX NAME)



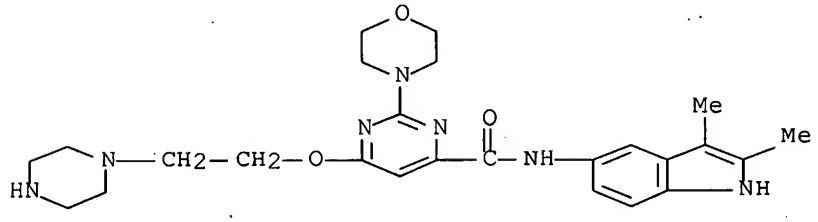
RN 887135-22-0 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[methoxy[2-(4-morpholinyl)ethyl]amino]-2-(4-morpholinyl)- (CA INDEX NAME)



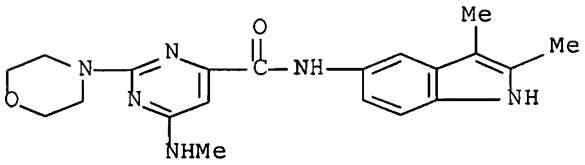
RN 887135-65-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(3-ethyl-2-methyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(2-oxo-3-oxazolidinyl)ethoxy]- (CA INDEX NAME)



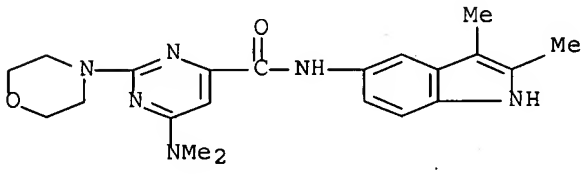
RN 887135-92-4 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-[2-(1-piperazinyl)ethoxy]- (CA INDEX NAME)



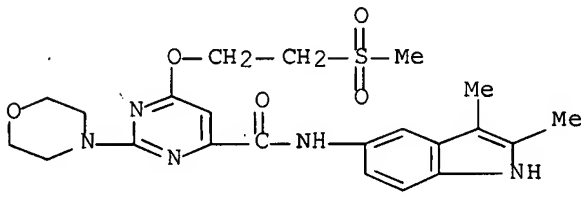
RN 887135-93-5 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(methylamino)-2-(4-morpholinyl)- (CA INDEX NAME)



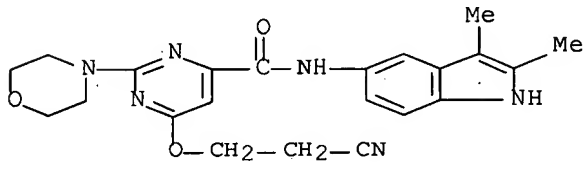
RN 887135-94-6 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(dimethylamino)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



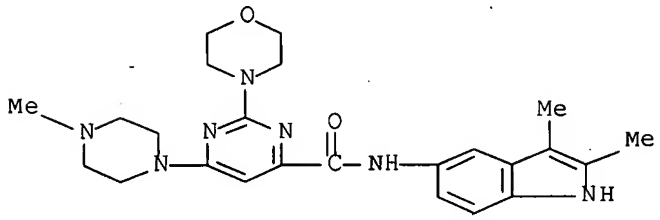
RN 887135-95-7 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[2-(methylsulfonyl)ethoxy]-2-(4-morpholinyl)- (CA INDEX NAME)



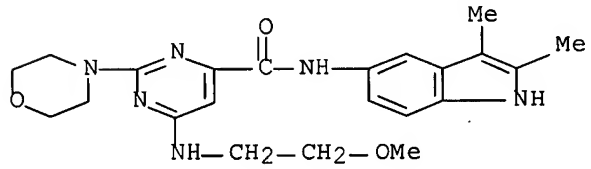
RN 887135-96-8 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(2-cyanoethoxy)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



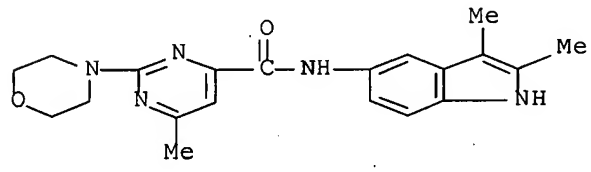
RN 887135-97-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(4-methyl-1-piperazinyl)-2-(4-morpholinyl)- (CA INDEX NAME)



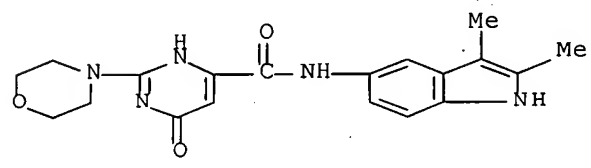
RN 887135-98-0 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[(2-methoxyethyl)amino]-2-(4-morpholinyl)- (CA INDEX NAME)



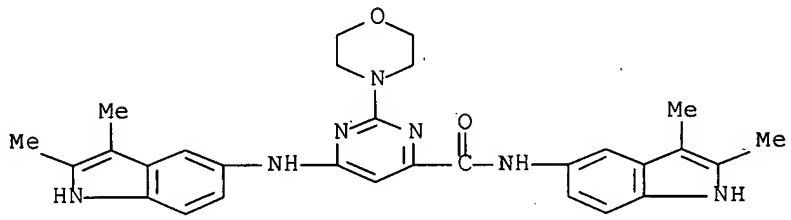
RN 887135-99-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-methyl-2-(4-morpholinyl)- (CA INDEX NAME)



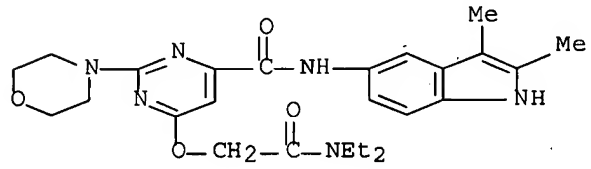
RN 887136-00-7 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-1,6-dihydro-2-(4-morpholinyl)-6-oxo- (CA INDEX NAME)



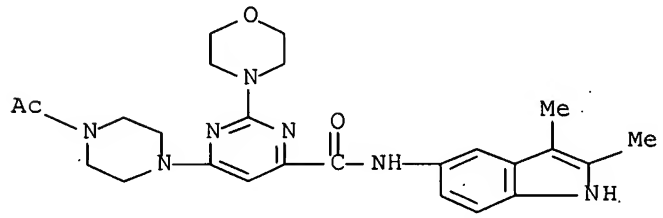
RN 887136-01-8 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-[(2,3-dimethyl-1H-indol-5-yl)amino]-2-(4-morpholinyl)- (CA INDEX NAME)



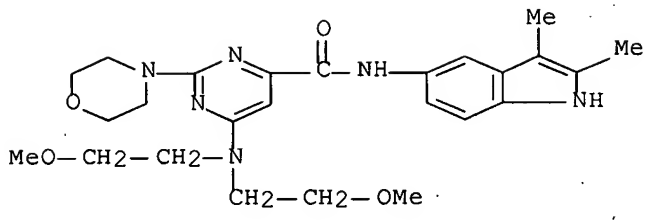
RN 887136-02-9 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[2-(diethylamino)-2-oxoethoxy]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



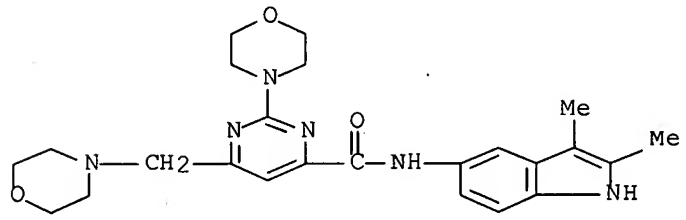
RN 887136-03-0 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(4-acetyl-1-piperazinyl)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



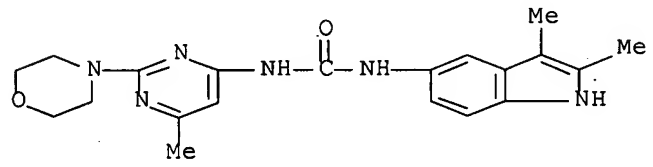
RN 887136-05-2 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[bis(2-methoxyethyl)amino]-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)



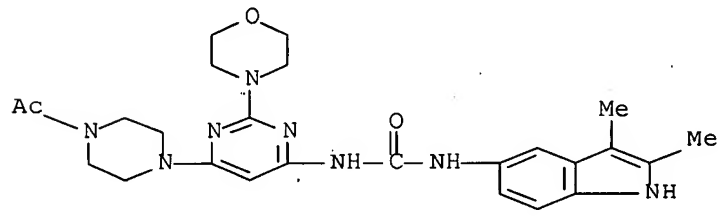
RN 887136-06-3 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)-6-(4-morpholinylmethyl)- (CA INDEX NAME)



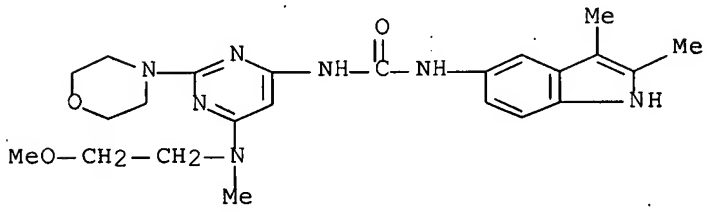
RN 887136-10-9 CAPLUS
CN Urea, N-(2,3-dimethyl-1H-indol-5-yl)-N'-[6-methyl-2-(4-morpholinyl)-4-pyrimidinyl]- (CA INDEX NAME)



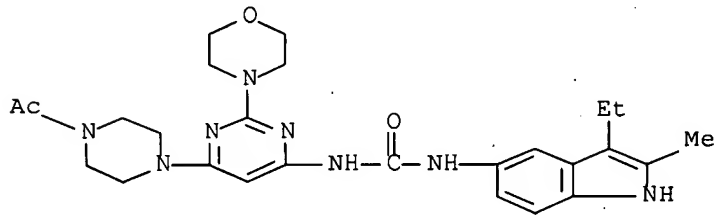
RN 887136-11-0 CAPLUS
CN Piperazine, 1-acetyl-4-[6-[[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]amino]-2-(4-morpholinyl)-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



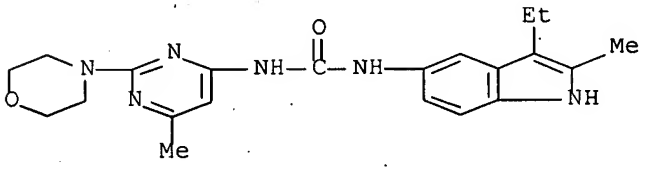
RN 887136-12-1 CAPLUS
CN Urea, N-(2,3-dimethyl-1H-indol-5-yl)-N'-[6-[(2-methoxyethyl)methylamino]-2-(4-morpholinyl)-4-pyrimidinyl]- (CA INDEX NAME)



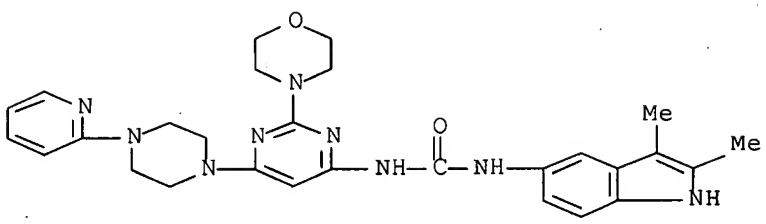
RN 887136-13-2 CAPLUS
CN Piperazine, 1-acetyl-4-[6-[[[(3-ethyl-2-methyl-1H-indol-5-yl)amino]carbonyl]amino]-2-(4-morpholinyl)-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



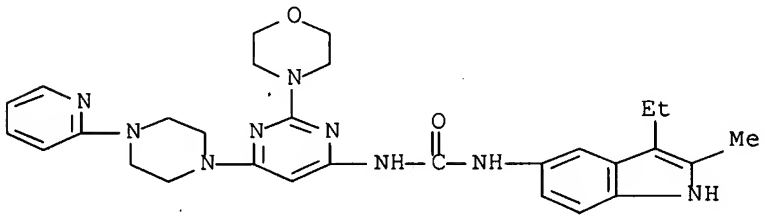
RN 887136-14-3 CAPLUS
CN Urea, N-(3-ethyl-2-methyl-1H-indol-5-yl)-N'-[6-methyl-2-(4-morpholinyl)-4-pyrimidinyl]- (CA INDEX NAME)



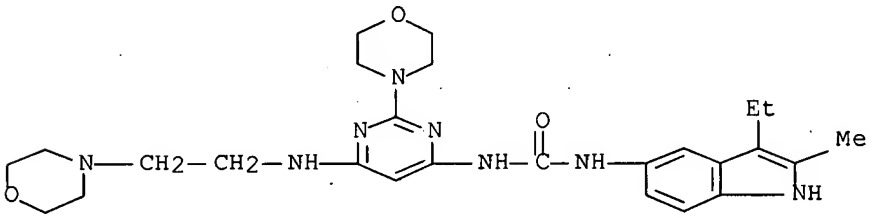
RN 887136-15-4 CAPLUS
CN Urea, N-(2,3-dimethyl-1H-indol-5-yl)-N'-[2-(4-morpholinyl)-6-[4-(2-pyridinyl)-1-piperazinyl]-4-pyrimidinyl]- (CA INDEX NAME)



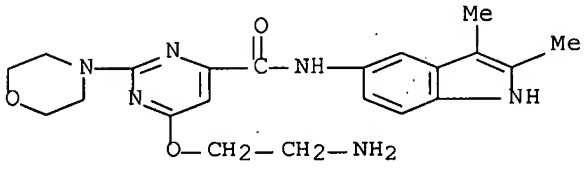
RN 887136-16-5 CAPLUS
CN Urea, N-(3-ethyl-2-methyl-1H-indol-5-yl)-N'-[2-(4-morpholinyl)-6-[4-(2-pyridinyl)-1-piperazinyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 887136-17-6 CAPLUS
CN Urea, N-(3-ethyl-2-methyl-1H-indol-5-yl)-N'-[2-(4-morpholinyl)-6-[[2-(4-morpholinyl)ethyl]amino]-4-pyrimidinyl]- (CA INDEX NAME)

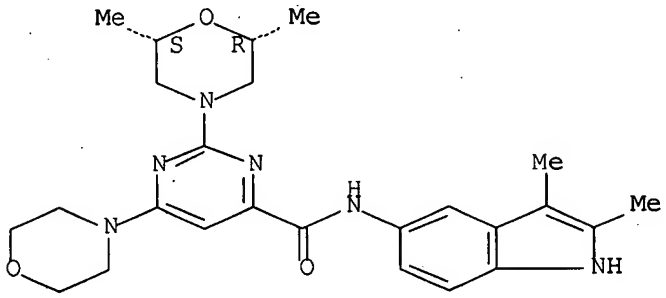


RN 887136-20-1 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-(2-aminoethoxy)-N-(2,3-dimethyl-1H-indol-5-yl)-2-(4-morpholinyl)- (CA INDEX NAME)

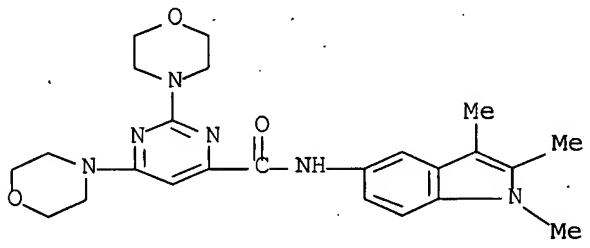


RN 887136-28-9 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-2-[(2R,6S)-2,6-dimethyl-4-morpholinyl]-6-(4-morpholinyl)-, rel- (CA INDEX NAME)

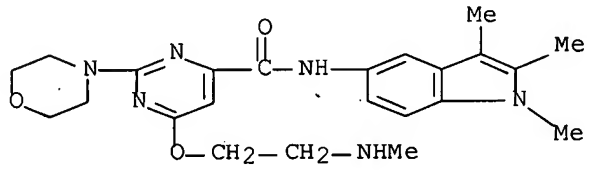
Relative stereochemistry.



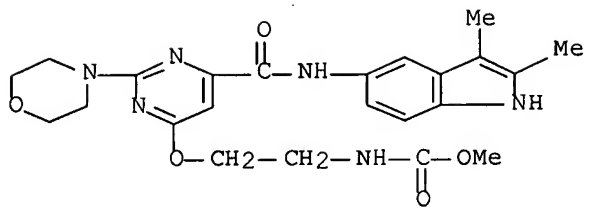
RN 887136-30-3 CAPLUS
CN 4-Pyrimidinecarboxamide, 2,6-di-4-morpholinyl-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



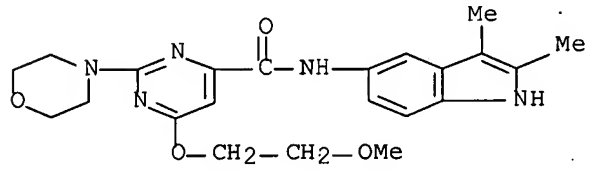
RN 887136-33-6 CAPLUS
CN 4-Pyrimidinecarboxamide, 6-[2-(methylamino)ethoxy]-2-(4-morpholinyl)-N-(1,2,3-trimethyl-1H-indol-5-yl)- (CA INDEX NAME)



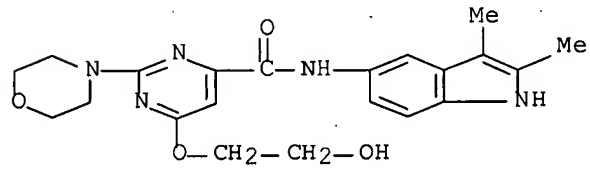
RN 887136-41-6 CAPLUS
CN Carbamic acid, [2-[[6-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-2-(4-morpholinyl)-4-pyrimidinyl]oxy]ethyl]-, methyl ester (9CI) (CA INDEX NAME)



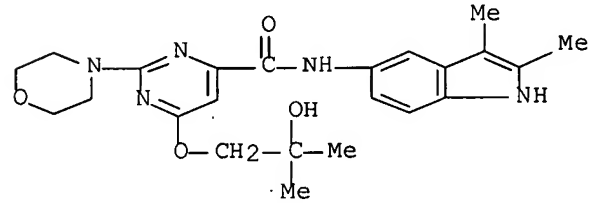
RN 887136-48-3 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(2-methoxyethoxy)-2-(4-morpholinyl)- (CA INDEX NAME)



RN 887136-54-1 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(2-hydroxyethoxy)-2-(4-morpholinyl)- (CA INDEX NAME)

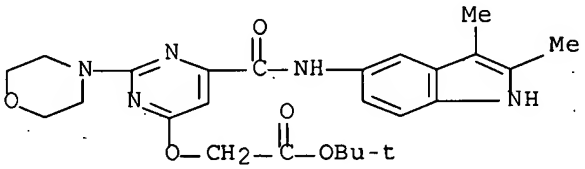


RN 887136-61-0 CAPLUS
CN 4-Pyrimidinecarboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-6-(2-hydroxy-2-methylpropoxy)-2-(4-morpholinyl)- (CA INDEX NAME)



RN 887136-63-2 CAPLUS

CN Acetic acid, [[6-[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]-2-(4-morpholinyl)-4-pyrimidinyl]oxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



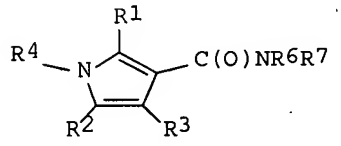
L17 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:332235 CAPLUS Full-text
DOCUMENT NUMBER: 144:350539
TITLE: Preparation of pyrrolecarboxamide derivatives as mineralocorticoid receptor antagonists for use against cancer and other disorders
INVENTOR(S): Canne Bannen, Lynne; Chen, Jeff; Dalrymple, Lisa Esther; Flatt, Brenton T.; Forsyth, Timothy Patrick; Gu, Xiao-Hu; Mac, Morrison B.; Mann, Larry W.; Mann, Grace; Martin, Richard; Mohan, Raju; Murphy, Brett; Nyman, Michael Charles; Stevens, William C., Jr.; Wang, Tie-Lin; Wong, Yong; Wu, Jason H.
PATENT ASSIGNEE(S): Exelixis, Inc., USA
SOURCE: PCT Int. Appl., 477 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006012642	A2	20060202	WO 2005-US26916	20050730
WO 2006012642	A3	20060727		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005266890	A1	20060202	AU 2005-266890	20050730
CA 2573426	A1	20060202	CA 2005-2573426	20050730
EP 1773768	A2	20070418	EP 2005-803281	20050730
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
CN 101006052	A	20070725	CN 2005-80026842	20050730

IN 2007DN00605	A	20070817	IN 2007-DN605		20070123
NO 2007000910	A	20070426	NO 2007-910		20070216
PRIORITY APPLN. INFO.:			US 2004-592439P	P	20040730
			US 2004-592469P	P	20040730
			WO 2005-US26916	W	20050730

OTHER SOURCE(S): MARPAT 144:350539

GI



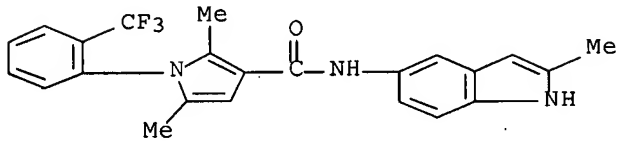
I

AB Pyrrolecarboxamide derivs. (shown as I; other Markush structures for pyrrolecarboxamides are defined in the claims; variables defined below; e.g. 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole-3- carboxylic acid N-[4-(sulfamoyl)phenyl]amide (II)), compns. and methods for modulating the activity of receptors are provided. In particular compds. and compns. are provided for modulating the activity of receptors and for the treatment, prevention, or amelioration of .gtoreq.1 symptoms of disease or disorder directly or indirectly related to the activity of the receptors. Semiquant. IC50 values for antagonist activity of 23 examples of I are tabulated and compared to the activity of the Spironolactone control. For I: R1 and R2 = H, halo, cyano, or (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, or heterocyclylalkyl, or -OR9, -SR9, -N(R9)2, -C(O)OR9 or -C(O)N(R9)2; R3 = H, halo, cyano, (un)substituted alkyl, (un)substituted alkenyl or (un)substituted alkynyl; R4 is H, -C(O)R9, -S(O)2R9, or (un)substituted alkyl, alkenyl or alkynyl, or R4 is (un)substituted cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl or heteroaralkyl; R6 is H or (un)substituted alkyl; R7 is (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl or heteroaralkyl; addnl. details are given in the claims. Although the methods of prepn. are not claimed, prepns. and/or characterization data for many examples of I are included. For example, II was prepd. in 5 steps (50, 37, 62, 64, and 66 % yields, resp.) starting with prepn. of 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole from 4-fluoro-2-(trifluoromethyl)aniline and 2,5-hexanedione, followed by prepn. of the following intermediates: 1-(4-fluoro-2- trifluoromethylphenyl)-2,5-dimethyl-1H-pyrrole-3-carboxaldehyde, 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole-3- carboxylic acid, and 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl- 1H-pyrrole-3-carbonyl chloride and finally amide formation with sulfanilamide.

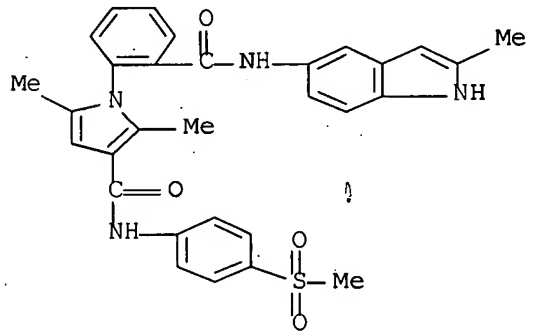
IT 880775-35-9P, 2,5-Dimethyl-1-(2-trifluoromethylphenyl)-1H-pyrrole-3-carboxylic acid N-(2-methyl-1H-indol-5-yl)amide 880779-44-2P, 2,5-Dimethyl-1-[2-[(2-methyl-1H-indol-5-yl)carbamoyl]phenyl]-1H-pyrrole-3-carboxylic acid N-(4-methylsulfonylphenyl)amide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of pyrrolecarboxamide derivs. as mineralocorticoid receptor antagonists for use against cancer and other disorders)

RN 880775-35-9 CAPLUS

CN 1H-Pyrrole-3-carboxamide, 2,5-dimethyl-N-(2-methyl-1H-indol-5-yl)-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 880779-44-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2,5-dimethyl-1-[2-[[(2-methyl-1H-indol-5-yl)amino]carbonyl]phenyl]-N-[4-(methylsulfonyl)phenyl]- (CA INDEX NAME)



L17 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:15782 CAPLUS Full-text
DOCUMENT NUMBER: 144:108221
TITLE: Quinolinonecarboxamides as modulators of ATP-binding cassette transporters, their preparation, pharmaceutical compositions, and use in therapy
INVENTOR(S): Hadida Ruah, Sarah S.; Hazlewood, Anna R.; Grootenhuis, Peter D. J.; Van Goor, Frederick F.; Singh, Ashvani K.; Zhou, Jinglan; McCartney, Jason
PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA
SOURCE: PCT Int. Appl., 319 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006002421	A2	20060105	WO 2005-US22768	20050624
WO 2006002421	A3	20060921		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

AU 2005258320	A1	20060105	AU 2005-258320		20050624
CA 2571949	A1	20060105	CA 2005-2571949		20050624
US 2006074075	A1	20060406	US 2005-165818		20050624
EP 1773816	A2	20070418	EP 2005-791060		20050624
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU					
CN 101006076	A	20070725	CN 2005-80028055		20050624
BR 2005011321	A	20070731	BR 2005-11321		20050624
IN 2006KN03938	A	20070622	IN 2006-KN3938		20061228
PRIORITY APPLN. INFO.:			US 2004-582676P	P	20040624
			US 2004-630127P	P	20041122
			US 2004-635674P	P	20041213
			US 2005-658219P	P	20050303
			US 2005-661311P	P	20050311
			WO 2005-US22768	W	20050624

OTHER SOURCE(S): MARPAT 144:108221

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to quinolinonecarboxamides of formula I, which are modulators of ATP-Binding Cassette (ABC) transporters or fragments thereof, including Cystic Fibrosis Transmembrane Conductance Regulator (CFTR). In compds. I, each of R1, R2, R3, R4, and R5 is independently -X-Rx, where X is a bond, (un)substituted C1-6 alkylene, optionally with up to two methylene units replaced by C(O), C(S), C(O)N, C(O)O, OC(O), etc., and Rx is selected from H, halo, nitro, cyano, CF3, CF3O, C1-8 alkyl, aryl, heteroaryl, heterocyclyl, cycloalkyl, and a bicyclic ring system; R6 is H, OH, SH, CF3, C1-8 alkoxy, aryloxy, etc.; R7 is H or C1-6 alkyl, optionally substituted with -X-Rx as defined above; and Ar is (un)substituted 5- or 6-membered aryl or heteroaryl ring having 0-4 heteroatoms independently selected from N, O, and S, optionally fused to a 5- to 12-membered monocyclic or bicyclic ring system contg. 0-4 heteroatoms independently selected from N, O, and S. The invention also relates to the prepn. of I, pharmaceutical compns. comprising a compd. I and a pharmaceutically acceptable carrier or adjuvant, as well as to the use of the compns. for the modulation of ATP-binding cassette (ABC) transporters. Substitution of di-Et 2-(ethoxymethylene)malonate with aniline followed by cyclocondensation and ester hydrolysis gave quinolinone II. Nitration of 3-methylbenzoic acid and esterification gave Et 5-methyl-2,4-dinitrobenzoate, which underwent condensation with N-(dimethoxymethyl)-dimethylamine and reductive cyclization to aminoindole III. Amidation of II with III followed by ester hydrolysis and amidation with piperidine gave quinolinonecarboxamide IV. Several compds. of the invention, e.g., IV, express EC50 values below 10 .mu.M as modulators of ABC transporters.

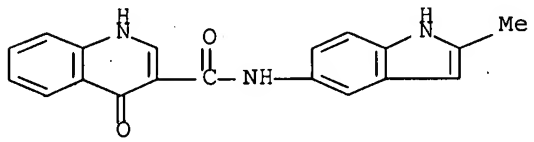
IT 873052-44-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(drug candidate; prepn. of quinolinonecarboxamides as modulators of ATP-binding cassette transporters)

RN 873052-44-9 CAPLUS

CN 3-Quinolinecarboxamide, 1,4-dihydro-N-(2-methyl-1H-indol-5-yl)-4-oxo- (CA INDEX NAME)



L17 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:493504 CAPLUS Full-text

DOCUMENT NUMBER: 143:43767

TITLE: Preparation of substituted urea-octahydroindoles as antagonists of melanin concentrating hormone receptor 1 (MCH1R)

INVENTOR(S): Browning, Andrew; Nilsson, Jonas; Scobie, Martin; Angbrant, Johan; Ringom, Rune

PATENT ASSIGNEE(S): Biovitrum AB, Swed.

SOURCE: PCT Int. Appl., 272 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005051381	A1	20050609	WO 2004-SE1620	20041109
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005239841	A1	20051027	US 2004-997675	20041124
PRIORITY APPLN. INFO.:			SE 2003-3182 A	20031126
			US 2004-581057P P	20040618

OTHER SOURCE(S): MARPAT 143:43767

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein R0 = alkyl, absent; R1, R2 = independently H, halo/aryl/alkyl; R1-R2 = alkylene; R3 = H, thio/carbamoyl, CN, alk(en)yl, etc.; R4 = alkyl, aryl; R5, R6 = independently H, alk(en)yl, alkoxyalkyl, cycloalkyl; R7 = H, alkyl; R8 = H, halo; R9 = H; or R9 forms CH2 together with R3; Ar = 5-7-membered aryl; 5-7-membered unsatd. heterocyclyl, bicyclyl, etc.; X = O, S, NH, CH-NO2, NCN; and their pharmaceutically acceptable salts, hydrates, geometrical isomers, racemates, tautomers, optical isomers, N-oxides and prodrugs] were prepd. as melanin concg. hormone receptor 1 (MCH1R) antagonists. For example, rel-II.bul.TFA was prepd. by Pd-cross coupling of 4-bromoaniline with 3-cyanophenylboronic acid, reaction with 4-nitrophenylchloroformate in the presence of DIPA/CH2Cl2 and treatment of the carbamate (no data) with (3aS*,6R*,7aS*)-3a-(3,4-dimethoxyphenyl)-1-methyloctahydro-1H-indol-6- amine (prepn. given). I exhibited IC50 values for the MCH1R receptor in the range 10 nM to 10 .mu.M. I and their pharmaceutical compns. are useful for the treatment or prophylaxis of disorders related to the MCH1R receptor and for modulation of appetite.

IT 853766-85-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of urea-octahydroindoles as melanin concg. hormone receptor 1 antagonists)

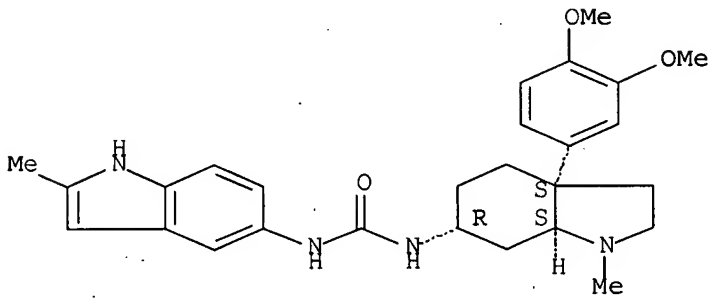
RN 853766-85-5 CAPLUS

CN Urea, N-[(3aR,6S,7aR)-3a-(3,4-dimethoxyphenyl)octahydro-1-methyl-1H-indol-6-yl]-N'-(2-methyl-1H-indol-5-yl)-, rel-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

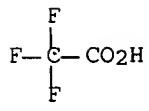
CRN 853766-84-4
CMF C27 H34 N4 O3

Relative stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



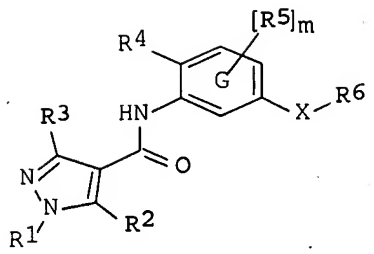
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:995918 CAPLUS Full-text
DOCUMENT NUMBER: 141:424181
TITLE: Preparation of pyrazole-amide compounds useful as p38 kinase inhibitors
INVENTOR(S): Dyckman, Alaric; Das, Jagabandhu; Leftheris, Katerina; Liu, Chunjian; Moquin, Robert V.; Wrobleski, Stephen T.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

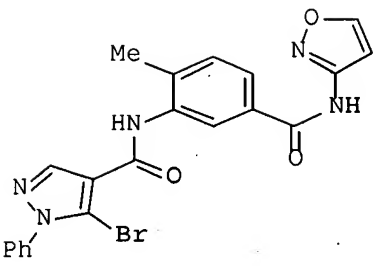
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004098518	A2	20041118	WO 2004-US13594	20040503
WO 2004098518	A3	20050127		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004248853	A1	20041209	US 2004-838006	20040503
US 7151113	B2	20061219		
US 2005004176	A1	20050106	US 2004-837778	20040503
US 2005159424	A1	20050721	US 2004-838129	20040503
EP 1617840	A2	20060125	EP 2004-760683	20040503
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
US 2006247247	A1	20061102	US 2006-477010	20060628
US 7253170	B2	20070807		

PRIORITY APPLN. INFO.:	US 2003-467029P	P	20030501
	US 2004-838006	A3	20040503
	WO 2004-US13594	W	20040503

OTHER SOURCE(S): MARPAT 141:424181
GI



I



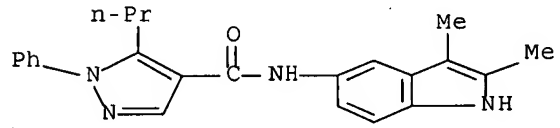
II

AB The title compds. I [G = Ph, pyridyl; R1 = H, alkyl, aryl, etc.; R2 = H, hydroxyalkyl, alkoxyalkyl, halo, etc.; R3 = H, haloalkyl, haloalkoxy, etc.; R4 = H, alkyl, halo, etc.; R5 = haloalkyl, haloalkoxy, CN, etc.; X = CONH, NHCO, NHCO2, SO2NH, CO2, or is absent; R6 = H, alkyl, alkoxy, phenoxy, etc.; m = 0-3; with provisos] which are useful for treating p38 kinase-assocd. conditions (no data), were prepd. E.g., a 3-step synthesis of II, starting from Et 5-amino-1-phenyl-1H-pyrazole-4-carboxylate, was given. The invention further pertains to pharmaceutical compns. contg. at least one compd. I useful for treating p38 kinase-assocd. conditions, and methods of inhibiting the activity of p38 kinase in a mammal.

IT 796063-40-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrazolecarboxamides as p38 kinase inhibitors)

RN 796063-40-6 CAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(2,3-dimethyl-1H-indol-5-yl)-1-phenyl-5-propyl- (CA INDEX NAME)



L17 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:220082 CAPLUS Full-text

DOCUMENT NUMBER: 140:253556

TITLE: Preparation of 5-thiazolecarboxamides as protein tyrosine kinase inhibitors

INVENTOR(S): Das, Jagabandhu; Padmanabha, Ramesh; Chen, Ping; Norris, Derek J.; Doweyko, Arthur M. P.; Barrish, Joel C.; Wityak, John; Lombardo, Louis J.; Lee, Francis Y. F.

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: U.S. Pat. Appl. Publ., 184 pp., Cont.-in-part of U.S. 6,596,746.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

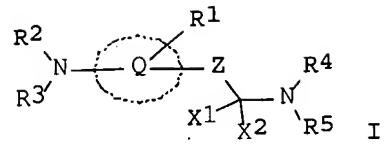
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

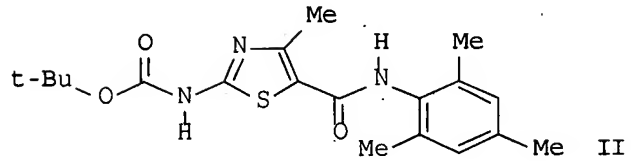
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004054186	A1	20040318	US 2003-395503		20030324
US 7125875	B2	20061024			
US 6596746	B1	20030722	US 2000-548929		20000413
US 2004024208	A1	20040205	US 2003-378372		20030303
US 6979694	B2	20051227			
US 2004073026	A1	20040415	US 2003-378461		20030303
US 7091223	B2	20060815			
US 2004077875	A1	20040422	US 2003-378373		20030303
AU 2004223828	A1	20041007	AU 2004-223828		20040323
CA 2519898	A1	20041007	CA 2004-2519898		20040323
WO 2004085388	A2	20041007	WO 2004-US8827		20040323
WO 2004085388	A3	20050630			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
EP 1610780	A2	20060104	EP 2004-758053		20040323
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK					
BR 2004008782	A	20060328	BR 2004-8782		20040323
CN 1764454	A	20060426	CN 2004-80007845		20040323
JP 2006523216	T	20061012	JP 2006-507475		20040323
CN 1989969	A	20070704	CN 2006-10172441		20040323
US 2005261305	A1	20051124	US 2005-138793		20050526
US 7189854	B2	20070313			
US 2005288303	A1	20051229	US 2005-138942		20050526
US 7153856	B2	20061226			
NO 2005004359	A	20051019	NO 2005-4359		20050920
US 2006079563	A1	20060413	US 2005-271626		20051110
PRIORITY APPLN. INFO.:			US 1999-129510P	P	19990415
			US 2000-548929	A2	20000413
			US 2003-378373	A1	20030303
			US 2003-395503	A	20030324
			CN 2004-80007845	A3	20040323
			WO 2004-US8827	W	20040323

OTHER SOURCE(S): MARPAT 140:253556

GI



I



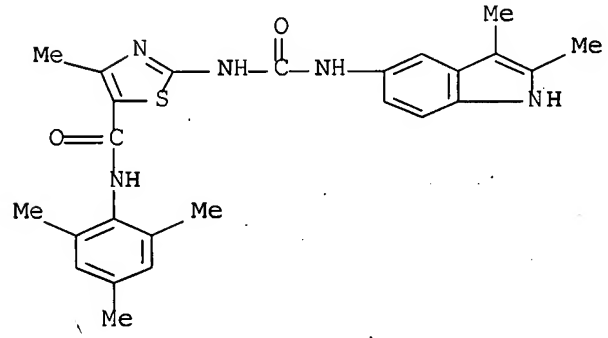
II

AB The title compds. [I; Q = (un)substituted 5-6 membered heteroaryl, aryl; Z = a single bond, R15C:CH, (CH2)m (m = 1-2); X1, X2 = H; X1 and X2 together = O, S; R1 = H, alkyl, alkenyl, etc.; R2, R3 = H, alkyl, alkenyl, etc.; R4, R5 = H, alkyl, alkenyl, etc.], useful in the treatment of protein tyrosine kinase-assocd. disorders such as immunol. and oncol. disorders (no data), were prepd. E.g., a multi-step synthesis of thiazole II was given. Compds. I are effective at 0.1-100 mg/kg/day. The pharmaceutical compn. comprising the title compds. is claimed.

IT 302960-73-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 5-thiazolecarboxamides as protein tyrosine kinase inhibitors)

RN 302960-73-2 CAPLUS

CN 5-Thiazolecarboxamide, 2-[[[(2,3-dimethyl-1H-indol-5-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 149 THERE ARE 149 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

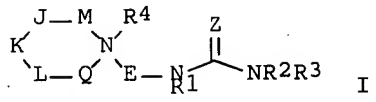
L17 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:622568 CAPLUS Full-text

DOCUMENT NUMBER: 139:164710
TITLE: Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.
INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA
SOURCE: U.S., 145 pp., Cont.-in-part of U.S. Ser. No. 465,286, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6605623	B1	20030812	US 2000-598821	20000621
US 6331541	B1	20011218	US 1999-465288	19991217
ZA 2001003756	A	20020509	ZA 2001-3756	20010509
CA 2413274	A1	20011227	CA 2001-2413274	20010620
WO 2001098269	A2	20011227	WO 2001-US19745	20010620
WO 2001098269	A3	20030710		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1363881	A2	20031126	EP 2001-950358	20010620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2004517803	T	20040617	JP 2002-504225	20010620
US 2003013741	A1	20030116	US 2001-7172	20011023
US 6521592	B2	20030218		
US 2004002515	A1	20040101	US 2002-279416	20021024
US 6875776	B2	20050405		
US 2004006107	A1	20040108	US 2002-279231	20021024
US 6780857	B2	20040824		
US 2004058960	A1	20040325	US 2003-465191	20030619
US 6906066	B2	20050614		
US 2005192291	A1	20050901	US 2004-21042	20041223

PRIORITY APPLN. INFO.:	US 1998-112717P	P 19981218
	US 1999-161243P	P 19991022
	US 1999-465286	B2 19991217
	US 1999-161137P	P 19991022
	US 1999-161184P	P 19991022
	US 1999-161222P	P 19991022
	US 1999-465287	A3 19991217
	US 1999-465288	A3 19991217
	US 1999-465948	A3 19991217
	US 2000-213051P	P 20000621
	US 2000-598821	A 20000621
	WO 2001-US19745	W 20010620
	US 2002-279416	A1 20021024

OTHER SOURCE(S): MARPAT 139:164710
GI



I

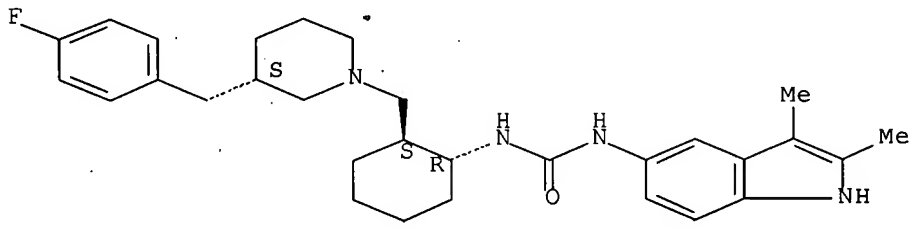
AB [Title compds. I; M = CH2, CHR5, CHR13, CR13R13, CR5R13; Q = CH2, CHR5, CHR13, CR13R13, CR5R13; J, L = CH2, CHR5, CHR6, CR6R6, CR5R6; Z = O, S; M = CH2, CHR5, CHR13, CR13R13, CR5R13; K = CHR5, CR5R6; Z = O, S; E = (CHR7)(CHR9)v(CR11R12); R1, R2 = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R2R3 = atoms to form a (substituted) 5-7 membered ring; R3, R5 = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R4 = null, O, alkyl, alkenyl, alkynyl, etc.; R4 with R7, R9, or R11 = atoms to form a 5-7 membered ring; R6 = alkyl, alkenyl, alkynyl, etc.; R7, R9 = H; R4R7, R4R9 = (substituted) spirocyclyl; R13 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R11R12 = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyranyl; v = 1, 2], were prepd. as modulators of chemokine activity (no data) for preventing asthma and other allergic diseases. Thus, 4-benzyl-1-(3-aminopropyl)piperidine (prepn. given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-[3-[4- (phenylmethyl)-1-piperidinyl]propyl]urea. A pharmaceutical compn. comprising the compd. I was claimed.

IT 275812-24-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity)

RN 275812-24-3 CAPLUS

CN Urea, N-(2,3-dimethyl-1H-indol-5-yl)-N'-[(1R,2S)-2-[[(3S)-3-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]cyclohexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:408648 CAPLUS Full-text
DOCUMENT NUMBER: 137:6176
TITLE: Preparation of aromatic acid derivatives useful as serine protease inhibitors

INVENTOR(S): Bisacchi, Gregory S.; Sutton, James C., Jr.; Slusarchyk, William A.; Treuner, Uwe D.; Zhao, Guohua; Cheney, Daniel L.; Wu, Shung C.; Shi, Yan

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: PCT Int. Appl., 182 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

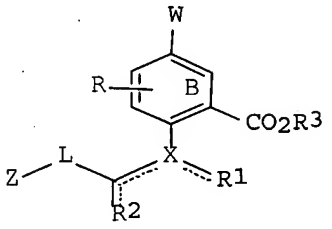
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002042273	A2	20020530	WO 2001-US46884	20011107
WO 2002042273	A3	20020829		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2428191	A1	20020530	CA 2001-2428191	20011107
AU 200227269	A	20020603	AU 2002-27269	20011107
EP 1332131	A2	20030806	EP 2001-996145	20011107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004514669	T	20040520	JP 2002-544409	20011107
HU 2004000651	A2	20040628	HU 2004-651	20011107

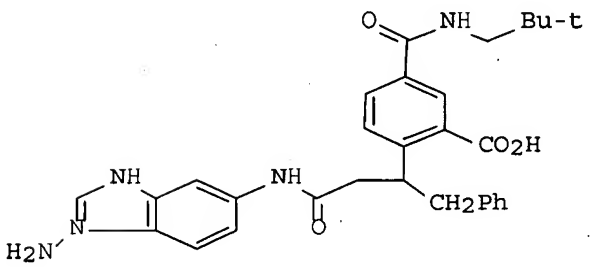
PRIORITY APPLN. INFO.: US 2000-246392P P 20001107
WO 2001-US46884 W 20011107

OTHER SOURCE(S): MARPAT 137:6176

GI



I



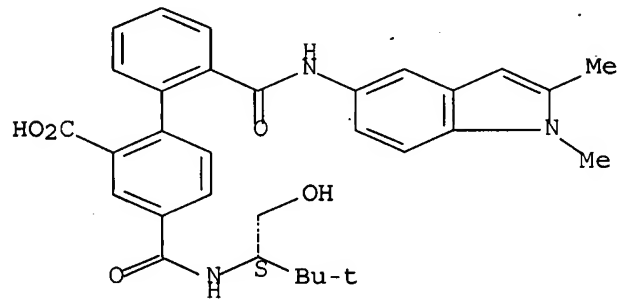
II

AB Arom. compds. I, are useful as serine protease inhibitors, wherein ring B is Ph or pyridyl; W is amide, alkyl, alkenyl, heterocycle, heteroaryl, aryl, cycloalkyl; L is a linker group; X is N, CH, or C, provided that X is C when R1 and R2 join to form a fully unsatd. ring; Z is an optionally-substituted monocyclic or bicyclic ring system; R is H, alkoxy, amine, alkyl, alkenyl, halogen, haloalkyl, cyano, nitro, alkylthio, CHO, acyl, CO2H, alkoxycarbonyl, sulfonamido, sulfonyl, Ph; R1 and R2 (i) are independently selected from hydrogen, alkyl, alkenyl, heteroaryl, aryl, heterocycle, and cycloalkyl; or (ii) are taken together to form an aryl, heteroaryl, cycloalkyl, or heterocycle, provided that R1 and R2 do not together form pyrazole when W is methoxy and Z is biphenyl; and when R1 and R2 individually or together form a heteroaryl, aryl, heterocycle, cycloalkyl; R3 is hydrogen, alkyl, substituted alkyl, heteroaryl, aryl, heterocycle, cycloalkyl, or alkyl substituted with -OC(O)R4 or -OC(O)OR4, wherein R4 is alkyl, cycloalkyl, provided that R3 is not Ph when W is methoxy. Thus, II was prepd. for treating a coagulation-assocd. disorder, an inflammatory or immune disease, or metastases (no data). Included within the scope of the invention are pharmaceutical compns. for treating a serine protease disease, an inflammatory or immune condition, or cancer.

IT 431049-42-2P 431049-43-3P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arom. acid derivs. useful as anti-inflammatory, anticoagulant, antitumor, immunomodulator agents and serine protease inhibitors)

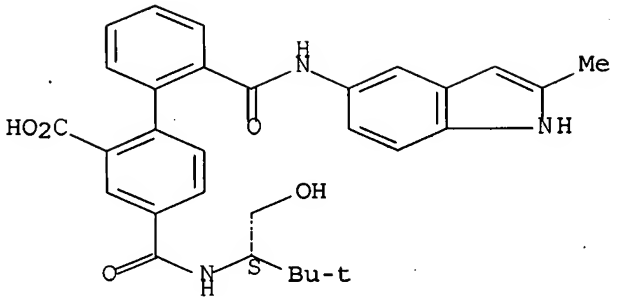
RN 431049-42-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 2'-[[(1,2-dimethyl-1H-indol-5-yl)amino]carbonyl]-4-[[[(1S)-1-(hydroxymethyl)-2,2-dimethylpropyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 431049-43-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[[[(1S)-1-(hydroxymethyl)-2,2-dimethylpropyl]amino]carbonyl]-2'-[[(2-methyl-1H-indol-5-yl)amino]carbonyl]- (9CI) (CA INDEX NAME)

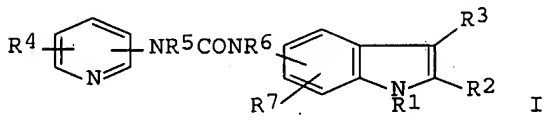
Absolute stereochemistry.



L17 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:134294 CAPLUS Full-text
DOCUMENT NUMBER: 120:134294
TITLE: Preparation of indolyl pyridylureas as 5-HT1c receptor antagonists
INVENTOR(S): Forbes, Ian Thomson; Martin, Roger Thomas
PATENT ASSIGNEE(S): Beecham Group PLC, UK
SOURCE: PCT Int. Appl., 67 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9318026	A1	19930916	WO 1992-GB381	19920304
W: BR, CS, FI, HU, NO, PL				
PRIORITY APPLN. INFO.:			WO 1992-GB381	19920304

OTHER SOURCE(S): MARPAT 120:134294
GI



I

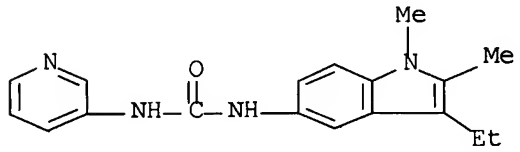
AB Title compds. I (R1, R2, R3 = H, C1-6 alkyl; R4 = H, C1-6 alkyl, halo, HO, R9R8N where R8, R9 = H, C1-6 alkyl; R5, R6 = H, C1-6 alkyl, halo) or a salt thereof, are prepd. 5-Amino-1-methyl-1H-indole (prepn. given), COCl2 and 3-aminopyridine were reacted to give I (R1 = Me, R2-7 = H) converted to the HCl salt (II). In test to assess the antagonist action, II had a KB (apparent dissocn. const.) of 1 .times. 10-7M. I are claimed to be useful in CNS disorders treatment (no data) in rat stomach fundus.

IT 143797-60-8P 143797-61-9P 143797-64-2P
143797-65-3P 143797-81-3P 143797-82-4P
143797-83-5P 143797-87-9P 143797-88-0P
143797-90-4P 143798-19-0P 143798-20-3P
143798-24-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as 5-HT1c antagonist)

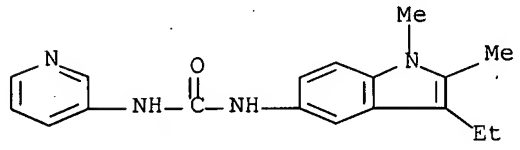
RN 143797-60-8 CAPLUS

CN Urea, N-(3-ethyl-1,2-dimethyl-1H-indol-5-yl)-N'-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)



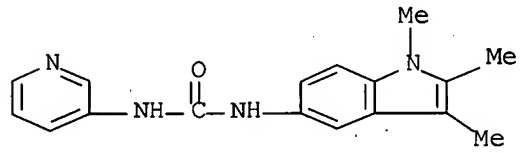
RN 143797-61-9 CAPLUS

CN Urea, N-(3-ethyl-1,2-dimethyl-1H-indol-5-yl)-N'-3-pyridinyl- (9CI) (CA INDEX NAME)



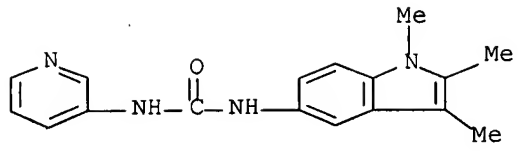
RN 143797-64-2 CAPLUS

CN Urea, N-3-pyridinyl-N'-(1,2,3-trimethyl-1H-indol-5-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

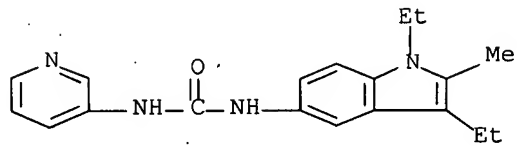


RN 143797-65-3 CAPLUS

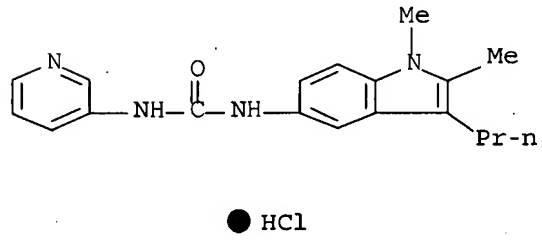
CN Urea, N-3-pyridinyl-N'-(1,2,3-trimethyl-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



RN 143797-81-3 CAPLUS
CN Urea, N-(1,3-diethyl-2-methyl-1H-indol-5-yl)-N'-3-pyridinyl- (9CI) (CA INDEX NAME)

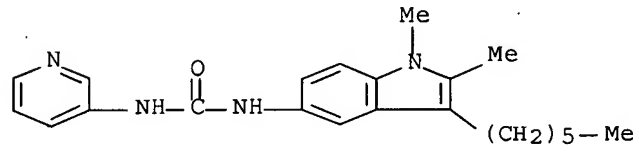


RN 143797-82-4 CAPLUS
CN Urea, N-(1,2-dimethyl-3-propyl-1H-indol-5-yl)-N'-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

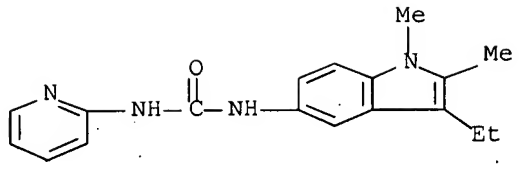


● HCl

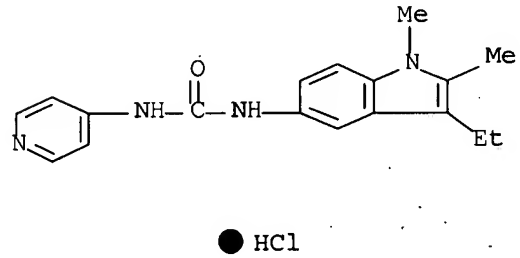
RN 143797-83-5 CAPLUS
CN Urea, N-(3-hexyl-1,2-dimethyl-1H-indol-5-yl)-N'-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 143797-87-9 CAPLUS
CN Urea, N-(3-ethyl-1,2-dimethyl-1H-indol-5-yl)-N'-2-pyridinyl- (9CI) (CA INDEX NAME)

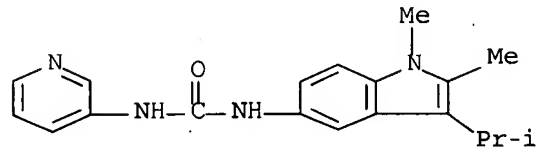


RN 143797-88-0 CAPLUS
CN Urea, N-(3-ethyl-1,2-dimethyl-1H-indol-5-yl)-N'-4-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)



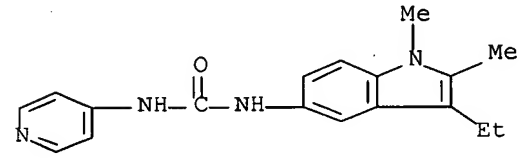
● HCl

RN 143797-90-4 CAPLUS
CN Urea, N-[1,2-dimethyl-3-(1-methylethyl)-1H-indol-5-yl]-N'-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

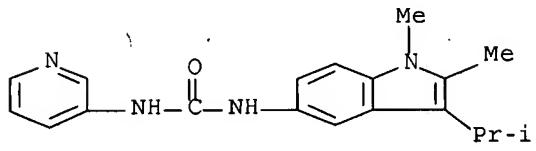


● HCl

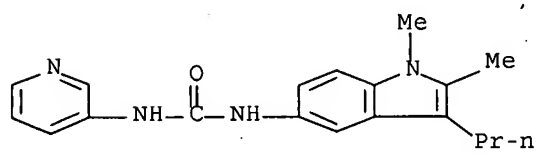
RN 143798-19-0 CAPLUS
CN Urea, N-(3-ethyl-1,2-dimethyl-1H-indol-5-yl)-N'-4-pyridinyl- (9CI) (CA INDEX NAME)



RN 143798-20-3 CAPLUS
CN Urea, N-[1,2-dimethyl-3-(1-methylethyl)-1H-indol-5-yl]-N'-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 143798-24-7 CAPLUS
CN Urea, N-(1,2-dimethyl-3-propyl-1H-indol-5-yl)-N'-3-pyridinyl- (9CI) (CA INDEX NAME)



=>

=>

Executing the logoff script...

=> LOG H

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	103.62	803.36
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.70	-12.48

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:20:23 ON 13 OCT 2007